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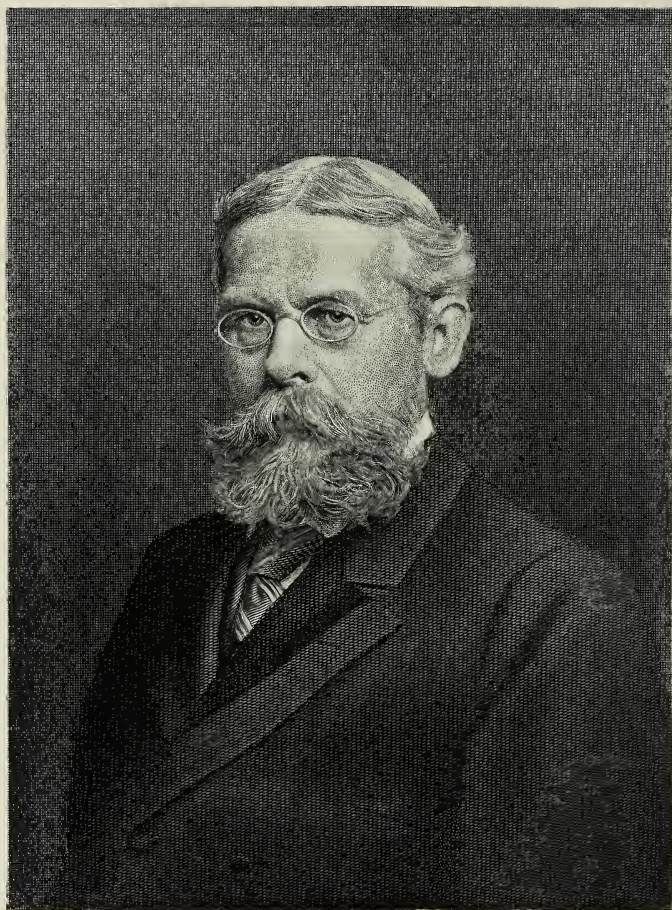
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CATALOGUE

OF

BROWN UNIVERSITY

1897-98



PROVIDENCE, R. I.

REMINGTON PRINTING CO., 63 WASHINGTON STREET

1898

CALENDAR 1897-98

1897	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1898	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1898	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	1	2	3	Jan.	1	July	1	2
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Sept.	29	30	31	Mar.	27	28	Sept.	28	29	30	31
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Nov.	31	May	Nov.	30	31
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	21	22	23	24	25	26	27		22	23	24	25	26	27	28		20	21	22	23	24	25	26
Dec.	28	29	30	June	29	30	31	Dec.	27	28	29	30
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COLLEGE CALENDAR 1897-98

1897.

September 1. *Wednesday.* Annual Meeting of the Corporation
 (first Wednesday in September).

September 13, 14. Monday, Tuesday. Examination of delinquents in College studies.

September 13, 14. Monday, Tuesday. Examinations for admission to the Freshman Class and to Advanced Standing.

September 15. Wednesday. ACADEMIC YEAR BEGINS.

October 15. Thursday. Last day for registration of Graduate Students.

November 25. Thursday. Thanksgiving Day. No College exercises on Thursday, Friday or Saturday of Thanksgiving week.

December 17-23. Friday to Thursday. Term Examinations.

CHRISTMAS RECESS, from Thursday Evening,
December 23, 1897, to Monday Evening,
January 3, 1898.

1898.

January 4. Tuesday. SECOND TERM BEGINS.

February 22. Tuesday. Washington's Birthday. No College exercises.

March 12-18. Saturday to Friday. Term examinations.

SPRING RECESS, from Friday Evening, March 18, to Monday Evening, March 28.

<i>March 29.</i>	<i>Tuesday.</i> THIRD TERM BEGINS.
<i>April 30.</i>	<i>Saturday.</i> Last day for receiving theses of candidates for the Doctorate.
<i>May 31.</i>	<i>Tuesday.</i> Last day of examinations for advanced degrees.
<i>June 3-9.</i>	<i>Friday to Thursday.</i> Term examinations.
<i>June 9.</i>	<i>Thursday.</i> Hicks Prize Debate.
<i>June 10.</i>	<i>Friday.</i> Class Day.
<i>June 12.</i>	<i>Sunday.</i> Baccalaureate Sermon.
<i>June 13.</i>	<i>Monday.</i> Sophomore Prize Declamation.
<i>June 14.</i>	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society, at 9.30 A. M.
<i>June 14.</i>	<i>Tuesday.</i> Annual Alumni Meeting, at 4 P. M.
<i>June 15.</i>	<i>Wednesday.</i> ONE HUNDRED AND THIRTIETH ANNUAL COMMENCEMENT (third Wednesday in June)
<i>June 16.</i>	<i>Thursday.</i> Meeting of the Corporation.
<i>June 16, 17.</i>	<i>Thursday, Friday.</i> Examinations for admission to College.

SUMMER VACATION

<i>September 7.</i>	<i>Wednesday.</i> Annual Meeting of the Corporation (first Wednesday in September).
<i>September 19, 20.</i>	<i>Monday, Tuesday.</i> Examination of delinquents in College Studies.
<i>September 19, 20.</i>	<i>Monday, Tuesday.</i> Examinations for admission to the Freshman Class and to Advanced Standing.
<i>September 21.</i>	<i>Wednesday.</i> ACADEMIC YEAR BEGINS.

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FRANK EDWIN STARK

170 Lockwood Street

Assistant in the Machine Shop

GEORGE MILTON GRAY

62 George Street

Assistant in the Anatomical Laboratory

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ALPHA OF THE PHI BETA KAPPA SOCIETY

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* Deceased.

RISE AND CONSTITUTION OF THE UNIVERSITY

BROWN UNIVERSITY owes its origin to the happy convergence of two separate lines of influence. So early as 1762 a "resolution to erect a college and institute a seminary for the education of youth somewhere in North America" had been formed by the Philadelphia Baptist Association, under whose auspices the Hopewell Academy, in New Jersey, had already been established. As Rhode Island had been settled on the principle of perfect toleration in religious belief, it was decided to apply to its legislature for a charter.

Ever after the residence here, from 1729 to 1731, of the distinguished Dean Berkeley, subsequently Bishop of Cloyne, Newport had been the centre of a pronounced intellectual interest; while the memory of Berkeley's scheme to found a college in America, and the actual erection of colleges in several of the other colonies, made it impossible that the suggestion of a college for Rhode Island should be strange or unwelcome to thoughtful people in that colony. The charter was granted, and read as follows :

At the General Assembly of the Governor
and Company of the English Colony of
Rhode Island and Providence-Plantations
in New England in America, begun and
held at East Greenwich within &
for said Colony by adjournment upon the last
Monday of Feb^r one Thousand Seven
Hundred and Sixty-four, and in the fourth
Year of the Reign of His Most Sacred
Majesty George the Third, by the Grace of
God, King of Great Britain and so forth

WHEREAS Institutions for liberal Education are highly beneficial to Society, by forming the rising Generation to Virtue Knowledge & useful Literature & thus preserving in the Community a Succession of Men duly qualify'd for discharging the Offices of Life with usefulness & reputation they have therefore justly merited & received the attention & Encouragement of every wise and well regulated State, and whereas a Public School or Seminary erected for that purpose within this Colony, to which the Youth may freely resort for Education in the Vernacular & Learned Languages & in the liberal Arts & Sciences, would be for the general Advantage & Honor of the Government, and whereas

M ^r Gideon Hoxsey	M ^r Ezekiel Gardner	Daniel Jenckes Esq ^r Nicholas Tillinghast Esq ^r
M ^r Thomas Eyres	M ^r John Waterman	Nicholas Gardiner Esq ^r
M ^r Thomas Potter Jun ^r	M ^r James Barker Jun ^r	Cole. Josias Lyndon
M ^r Peleg Barker	M ^r John Holmes	Cole Elisha Reynolds
M ^r Edw ^d Thurston	Solomon Drown Esq ^r	
M ^r W ^m Redwood	M ^r Saml Windfor	Peleg Thurston Esq ^r Simon Pease Esq ^r
Joseph Clarke Esq ^r	M ^r Joseph Sheldon	
M ^r John G. Wanton	Charles Rhodes Esq ^r	John Tillinghast Esq ^r George Haszard Esq ^r
M ^r Tho ^s Robinson	M ^r Nicholas Brown	Cole Job Bennet
	Cole M ^r Barzilla Richmond	Nicholas Easton Esq ^r
	M ^r John Brown	Arthur Fenner Esq ^r

with many other Persons appear as undertakers in the valuable design, & thereupon a Petition has been prefer'd to this Assembly praying that full Liberty and Power may be granted unto such of them with others as are hereafter mentioned to found endow, order & govern a College or University within this Colony & that for the more effectual execution of this design they may be incorporated into one Body Politic to be known in the Law with the powers priviledges & franchises necessary for the purpose aforesaid—

Now, therefore know ye that being willing to encourage and patronise such an honorable and useful Institution, we the said Governor & Company in General Assembly convened do for ourselves and our

Succesors in and by virtue of the Power and Authority within the Jurisdiction of this Colony to us by the Royal Charter granted & committed enact grant constitute ordain & declare & it is hereby enacted granted constituted ordained and declared that the

Rev ^d James Manning	Joshua Babcock Esq ^r	Hon ^{ble} Stephen Hopkins Esq ^r
Rev ^d Rufsel Mason	M ^r John G. Wanton	Hon ^{ble} Joseph Wanton Jun ^r Esq ^r
Col ^o Elisha Reynolds	Rev ^d Edward Upham	Hon^{ble} John Gardner
Col ^o Josias Lyndon	Rev ^d Jeremiah Condy	Hon ^{ble} Samuel Ward Esq ^r
Col ^o Job Bennet	Rev ^d Marmaduke Brown	Hon ^{ble} William Ellery Esq ^r
M ^r Ephraim Bowen	Rev ^d Gardner Thurston	“ John Tillinghast Esq ^r
Joshua Clarke Esq ^r	Rev ^d Ezra Stiles	“ Simon Pease Esq ^r
Cap ^t Jon ^a Slade	Rev ^d John Greaves	“ James Honyman Esq ^r
John Taylor Esq ^r	Rev ^d John Maxson	“ Nicholas Easton Esq ^r
M ^r Robert Strettell Jones	Rev ^d Sam ^l Winfor	“ Nicholas Tillinghast Esq ^r
Azariah Dunham Esq ^r	Rev ^d John Gano	“ Darius Sefsions Esq ^r
M ^r Edward Thurston J ^r	Rev ^d Morgan Edwards	“ Joseph Harris Esq ^r
M ^r Thomas Eyres	Rev ^d Isaac Eaton	“ Francis Willet Esq ^r
M ^r Thomas Haszard	Rev ^d Sam ^l Stillman	William Logan Esq ^r
M ^r Peleg Barker	Rev ^d Sam ^l Jones	“ Daniel Jencks Esq ^r
		George Hazard Esq ^r
		M^r Nicholas Brown Esq ^r
		“ Jeremiah Niles Esq ^r

or such or so many of them as shall within twelve Months from the date hereof, accept of this trust and qualify themselves as herein after directed, and their Succesors shall be for ever hereafter one Body Corporate & Politic in Fact and Name to be known in Law by the Name of Trustees, and Fellows of the College or University in the English Colony of Rhode Island and Providence Plantations in New England in America the Trustees and Fellows at any Time hereafter giving such more particular Name to the College in Honcr of the greatest & most distinguished Benefactor or otherwise as they shall think proper which Name so given shall in all Acts, Instruments and Doings of said Body Politic be superadded to their corporate Name aforesaid, and become a part of their legal Appellation, by which it shall be for ever known and distinguished, and that by the same Name, they and their Succesors chosen by themselves as hereafter prescribed shall and may have perpetual Succesison, and shall & may be Persons able and capable in the Law to Sue, & to be Sued to Plead and

to be impleaded to Answer, and to be Answered unto, to defend and to be defended in all and singular Suits Causes Matters Actions and Doings of what kind soever & also to have take possess purchase acquire or otherwise receive & hold Lands Tenements Hereditaments, Goods Chattles or other Estates of all which they may and shall stand and be seized notwithstanding any Misnomer of the College or the Corporation hereof and by what ever Name or however imperfectly the same shall be described in Gift, Bequests and Assignments provided the true intent of the Assigner or Benefactor be evident. Also the same to grant demise alien lease use manage and improve according to the Tenor of the Donations, and to the Purposes Trusts & Uses to which they shall be seized there of and full Liberty Power & Authority is hereby granted unto the said Trustees & Fellows and their Successors to found a College or University within this Colony for promoting the Liberal Arts and Universal Literature, and with the Monies Estates & Revenues of which they shall from time to time become legally Seized as aforesaid to Endow the same and erect the necessary Buildings & Edfices thereof on such Place within this Colony as they shall think Convenient: And Generally to regulate Order & Govern the same Appoint Officers & make Laws as herein after prescribed & hold use & enjoy all the Liberties Privileges exemptions, Dignities & Immunities enjoy'd by any College or University whatever, And furthermore that the s^d Trustees & fellows & their Successors shall & may forever hereafter have a public Seal to use for all Causes matters & affairs whatever of them and their Successors and the same Seal to alter Break & make anew from time to time at their Will and Pleasure which Seal shall always be deposited with the President or Senior fellow and furthermore by the Authority aforesaid it is hereby enacted Ordained & declared that it is now and at all Times hereafter shall continue to be the unalterable Constitution of this College or University that the Corporation thereof shall consist of two Branches Viz: that of the Trustees & that of the fellowship with distinct sepearte & respective powers, and that the Number of the Trustees shall and may be thirty ~~five~~ six of which twenty two shall forever be Elected of the Denomination called Baptists or Antipedobaptis Five shall for ever be elected of the Denomination called Friends or Quakers, four shall for ever be elected of the Denomination called Congregationalists, & ~~four~~ Five shall

for ever be elected of the Denomination called Episcopalians & that the Succesſion in this Branch ſhall be for ever choſen & filled up from the reſpective Denominations in this proportion and according to theſe Numbers which are hereby fixt & ſhall remain to perpetuity imutably the ſame and that the ſaid

Rev. ^d Iſaac Eaton	“ Francis Willet Eſq. ^{re}	Hon’ble Stephen Hopkins Eſq. ^{re}
Rev. ^d Sam Stillman	“ Daniel Jencks Eſq. ^{re}	Hon’ble Joſeph Wanton Jun Eſq. ^{re}
Rev. ^d Ruſſel Maſon	George Haſzard Eſq. ^{re}	Hon’ble John Gardner Eſq.^{re}
Col. ^d Eliſha Reynolds	Nicholas Brown Eſq. ^{re}	Hon’ble Samuel Ward Eſq. ^{re}
Col. ^d Joſias Lyndon	“ Jeremiah Niles Eſq. ^{re}	Hon’ble William Ellery Eſq. ^{re}
Col. ^d Job Bennet	“ M^r John G Wanton Eſq. ^{re}	“ John Tillinghaſt Eſq. ^{re}
M ^r Ephraim Bowen	“ M^r Joſhua Clark Eſq. ^{re}	“ Simon Peaſe Eſq. ^{re}
John Taylor Eſq. ^{re}	“ Rev. ^d Gardner Thurſton	“ James Honyman Eſq. ^{re}
Cap. ^t Jon. ⁿ Slade	“ Rev. ^d John Greaves	“ Nicholas Eaſton Eſq. ^{re}
M ^r Robert Strettell Jones	“ Rev. ^d John Maſſon	“ Nicholas Tillinghaſt Eſq. ^{re}
Azariah Dunham Eſq. ^{re}	“ Rev. ^d John Gano	“ Darius Sefſions Eſq. ^{re}
M ^r Edward Thurſton Jun. ^r	“ Rev. ^d Sam. ^l Winfor	“ Joſeph Harris Eſq. ^{re}
M ^r Peleg Barker		

or ſuch or ſo many of them as ſhall qualify themſelves as aforeſaid ſhall be and they are hereby declared and eſtabliſhed the firſt and preſent Truſtees.— And that the Number of the Fellows incluſive of the Preſident who ſhall always be a Fellow, ſhall and may be Twelve of which eight ſhall be for ever elected of the Denomination called Baptiſts or Antipadobaptiſts, and the reſt indifferently of any or all Denominations and that the

Joſhua Babcock Eſq.	Rev. ^d Ezra Stiles	Rev. Edward Upham
M ^r Thomas Eyres	Rev. ^d Sam. ^l Jones	Rev. Jeremiah Condy
M ^r Thomas Haſzard	Rev. ^d James Manning	Rev. Marmaduke Brown
	Hon’ble W ^m Logan Eſq. ^{re}	Rev. Morgan Edwards

or ſuch or ſo many of them as ſhall qualify themſelves as aforeſaid, ſhall be, and they are hereby declared the firſt and preſent Fellows and Fellowſhip to whom the Preſident when hereafter elected who ſhall forever be of the Denomination called Baptist or Antepedo Baptist ſhall be Joined to compleat the Number. AND furthermore it is declared and ordained that the Succesſion in both Branches ſhall at all times hereafter be filled up and ſupplied according to theſe Numbers and this eſtabliſhed and invariable Proportion from the reſpective Denominations by the ſeperate Election of both Branches

of this Corporation which shall at all Times sitt and Act by seperate and distinct Powers, and in general in order to the validity and consummation of all Acts there shall be in the Exercise of their respective seperate and distinct Powers, the Joint concurrence of the Trustees and the Fellows by their respective Majorities except in adjudging and conferring the Academical Degrees which shall for ever belong exclusively to the Fellowship as a Learned Faculty And further it is constituted that the Instruction and immediate Government of the College shall for ever be and Rest in the President and Fellows or Fellowship—And furthermore it is ordained that there shall be a General Meeting of the Corporation on the first Wednesday of September Annually within the College Edifice, and untill the same be Built at such Place as they shall appoint to consult Advise and transact the Affairs of the College or University at which or at any other time the Public Commencement may be held and Celebrated and that on any special Emergencies the President with any two of the Fellows or any Three of the Fellows exclusive of the President may convoke and they are hereby empowered to convoke an Assembly of the Corporation on twenty Days Notice and that in all Meetings the Major Vote of those Present of the two Branches respectively shall be deemed their respective Majorities aforesaid, provided that not less than twelve of the Trustees & five of the Fellows be a Quorum of their Respective Branches—That the President or in his Absence the Senior Fellow present shall always be Moderator of the Fellows, that the Corporation at their Annual Meetings once in three Years or oftner in Case of Death or Removal shall and may chose a Chancellor of the University and Treasurer from among the Trustees, and a Secretary from among the Fellows, that the Nomination of the Chancellor shall be in the Trustees whose Office shall be only to Preside as a Moderator of the Trustees and that in his Absence the Trustees shall choose a Moderator for the time being by the Name of Vice Chancellor and at any of their Meetings duly formed as aforesaid shall and may be elected a Trustee or Fellow, or Trustees or Fellows in the Room of those Nominated in this Charter who may refuse to accept or in the Room of those who may Die, Resign or be Removed— And furthermore it is enacted ordained and declared that this Corporation at any of their Meetings regularly convened as aforesaid shall and may Elect and appoint the President and Professors of Languages and the

several Parts of Literature, and upon the demise of him or them or either of them their Resignation or Removal from his or their Office for Misdemeanor Incapacity or Unfaithfulness, for which he or they are hereby declared removeable by this Corporation others to Elect and Appoint in their Room and Stead, & at such meeting upon the Nomination of the Fellows to Elect and Appoint Tutors Stewards Butlers and all such other Officers usually appointed in Colleges or Universities as they shall find necessary and think fitt to appoint for the promoting Liberal Education and the well ordering the Affairs of this College and them or any of them at their discretion to remove and substitute others in their Places, and in case any President Trustee or Fellow shall see Cause to change his Religious Denomination the Corporation is hereby empowered to declare his or their Place or Places Vacant, and may proceed to fill up it or them accordingly as before directed otherwise each Trustee and Fellow not an officer of Instruction shall continue in his Office, during Life or untill Resignation and further in Case either of the Religious denominations shou'd decline taking a Part in this Catholic Comprehensive and liberal Institution the Trustees and Fellows shall and may compleat their Number by electing from their Respective Denominations always preserving their Respective Proportions, herein before prescribed and determined, and all Elections shall be by Ballot, or written Suffrage, and that a Quorum of four Trustees & three Fellows may transact any Business excepting placing the College Edifice, Election of Trustees, President, Fellows and Professors that is to say so that their Acts shall be of Force and Validity untill the next Annual Meeting and no longer——

AND it is further Enacted and Ordained by the Authority aforesaid that each Trustee and Fellow as well those Nominated in this Charter or all that shall hereafter be duly Elected shall previous to their acting in a corporate Capacity take the Engagement of Allegiance prescribed by the Law of this Colony to His Majesty King George the third, His Heirs and Rightful Successors to the Crown of Great Britain which Engagement shall be Administered to the present Trustees and Fellows by the Governor or Deputy Governor of this Colony and to them from time to time hereafter Elected by their Respective Moderators who are hereby empowered to Administer the same——

AND still the more clearly to define and Ascertain the Respective Powers of the two Branches on making and enacting Laws, it is further Ordained and Declared that the Fellowship shall have Power and are hereby impowered from time to time and all times hereafter to make Enact and Publish all such Laws Statutes Regulations and Ordinances with Penalties as to them shall seem meet for the successful Instruction and Government of said College or University not contrary to the Spirit Extent, true Meaning and Intention of the Acts of the British Parliament or the Laws of this Colony, and the same Laws, Statutes and Ordinances to Repeal, which Laws and the Repeals thereof, shall be laid before the Trustees, and with their Approbation shall be of Force and Validity but not otherwise, and further the Trustees and Fellows at their Meetings aforesaid shall ascertain the Salaries of the Respective Officers and Order the Monies asseised on the Students, for Tuition Fines and Incidental Expences to be Collected by the Steward or such other Officer as they shall appoint to Collect the same, and the same with their Revenues and other College Estates in the Hands of the Treasurer to appropriate, in discharging Salaries and other College Debts and the College Accounts shall be Annually Audited and Adjusted in the Meeting of the Corporation and furthermore it is hereby enacted and declared that into this Liberal & Catholic Institution shall never be admitted any Religious Tests but on the Contrary all the Members hereof shall for ever enjoy full free Absolute and uninterrupted Liberty of Conscience and that the Places of Professors, Tutors and all other Officers the President alone excepted shall be free and open for all Denominations of Protestants and that Youths of all Religious Denominations shall and may be freely admitted to the Equal Advantages Emoluments & Honors of the College or University and shall receive a like fair generous & equal Treatment, during their Residence therein, they conducting themselves peaceably and conforming to the Laws and Statutes thereof: And that the Public teaching shall in general Respect the Sciences and that the Sectarian differences of opinions, shall not make any Part of the Public and Classical Instruction, altho' all Religious Controversies may be studied freely examined and explained by the President Professors and Tutors in a personal seperate and distinct manner, to the Youth of any or each Denomination and above all a constant Regard be paid to and effectual Care taken of the Morals

of the College and furthermore for the honour & encouragement of Literature we constitute and declare the Fellowship aforesaid a learned faculty and do hereby give grant unto and invest them & their Successors with full Power & Authority, and they are hereby Authoriz'd & empowered by their President & in his Absence by the Senior Fellow or one of the Fellows appointed by themselves at the Anniversary Commencements or at any other times and at all Times hereafter to Admit to & Conferr any & all the Learned Degrees which can or ought to be given and conferred in any of the Colleges & Universities in America ~~Europe & particularly in the University in Cambridge & Edinbough in Great Britain~~ or any such other Degrees of Literary Honor as they shall devise upon any and all such Candidates and Persons as the President and Fellows or Fellowship shall Judge worthy of the Academical Honors, which Power of conferring Degrees is hereby restricted to the Learned Faculty, who shall or may Issue Diplomas or Certificates of such Degrees or conferr Degrees by Diplomas and Authenticate them with the Public Seal of the Corporation, and the Hands of the President and Secretary, and of all the Professors as Witnesses and deliver them to the Graduates as Honorable and Perpetual Testimonies, and furthermore for the greater Encouragement of this Seminary of Learning and that the same may be amply endow'd and enfranchised with the same privileges Dignities and Immunities, enjoy'd by the American Colleges and European Universities, we do grant enact Ordain and Declare and it is hereby granted Enacted Ordained and Declared that the College Estate, the Estates Persons and Families of the President and Professors for the Time being lying and being within the Colony with the Persons of the Tutors ~~Graduates~~ and Students during their Residence at the College shall be freed and exempted from all Taxes, serving on Juries and Menial Services, and that the Persons aforesaid shall be exempted from bearing Arms Impresses and Military Services except in Case of an Invasion And furthermore for establishing the perpetuity of this Corporation and in case that at any time hereafter through oversight or otherwise through misapprehensions and mistaken Constructions of the Powers Liberties and Franchises herein contained any Laws should be enacted or any matters done and transacted by this Corporation contrary to the tenor of this Charter it is hereby enacted ordained and declared that all such Laws Acts and Doings shall be in themselves null and

void : yet nevertheless the same shall not in any Courts of Law or by the Gen^l Assembly be deemed taken interpreted or adjudged into an avoidance, defeazance or forfeiture of this Charter but that the same shall be and remain unhurt inviolate and entire unto the said Corporation in perpetual Succession, which Corporation may at all times and forever hereafter proceed & continue to Act ; and all their Acts conformable to the Powers, tenor, true intent and Meaning of the Charter shall be and remain in full force and validity, the nullity and avoidance of any such illegal Acts to the Contrary in any wise notwithstanding—and lastly, We the Governor and Company aforesaid do for ourselves and our Successors, forever hereby enact, Grant & confirm unto the said Trustees and Fellows and to their Successors that this Charter of Incorporation and every part thereof shall be good and available in all things in the Law according to our true Intent and meaning, and shall be construed, reputed & adjudged in all cases most favorably on the behalf and for the best benefit and behoof of the said Trustees and Fellows and their Successors so as most effectually to answer the valuable Ends of this usefull Institution——

In full Testimony of which Grant and of all the Articles and matters therein contained, the said Governor & Company do hereby order that this Act shall be Signed by the Governor and Secretary and Sealed with the publick Seal of this Colony and Registered in the Colonys Records and that the Same or an exemplification thereof shall be a sufficient Warrant to the said Corporation to hold, use and exercise all the Powers, Franchises and Immunities herein contained——

March 2^d 1764

To the House of Mag^{ts}

Gen^l Resolvd that the aforewritten Pass as an Act of this Assembly

Noted & passd Nemine Contradicente

& ord^d Josias Lyndon Clerk

In the Upper House

Read on the Third and concurred Nemine Contradicente

By Ord. Henry Ward Secr'y

NOTE.—The above is in all respects an exact reproduction of the original Copy of the Charter in the office of the Secretary of the State of Rhode Island, in Providence.

On September 4th, 1782, the Corporation omitted from the engagement to be taken by new members the acknowledgment of allegiance to the British Crown, at the same time ordering broken the old seal of the College, which contained the busts of the king and queen of Great Britain. The present seal, of which this volume bears the imprint, was adopted September 3, 1834.

In the spring of 1764, the Rev. James Manning, a recent graduate of the College of New Jersey, opened a Latin School at Warren, Rhode Island, as a step preparatory to the work of college instruction. In September 1765, he was formally appointed by the Corporation, "President of the College and Professor of Languages and other branches of learning, with full power to act in these capacities at Warren or elsewhere." The first Commencement was held at Warren, in September, 1769. In the spring of 1770 the College was moved to Providence. The corner stone of the first building, still standing as the venerable University Hall, was laid on the fourteenth of May in that year. During the Revolutionary War college studies were suspended, and the building was used by the American and French forces for barracks and a hospital. At its meeting on Thursday, September 6, 1804, in view of distinguished beneficence to the College on the part of Mr. Nicholas Brown, the Corporation, under the power conveyed by the charter to change the title, voted, "That the College be known in all future time by the name of BROWN UNIVERSITY, in Providence, in the State of Rhode Island and Providence Plantations."

In 1863, the General Assembly of the State of Rhode Island passed an Act, subject to the consent of the Corporation, which was at once cordially given, limiting the exemption from taxation of the estates, persons and families of the President and Professors, to the "amount of ten thousand dollars for each of such officers, his estates, person and family included."

CONDITIONS OF ADMISSION TO THE UNIVERSITY

ADMISSION TO SPECIAL COURSES

The instruction furnished by the University, from the highest graduate studies down to the most elementary branches, is open to any young man of good character who possesses the maturity and seriousness of purpose to profit by it. An idle and worthless student will not, however, be permitted to abuse these facilities in order to preserve a merely nominal connection with the University. Although every student who can conveniently do so is for his own good urged to matriculate for some one of the various degrees, he is by no means required to matriculate; and if he does not, he is no less welcome to the advantages of the University. It is the policy of the University to encourage all faithful students who enter for short periods. For such men great pains are taken to arrange profitable courses covering a single term, two terms, a year, or more, according to circumstances. A special student who intends to prepare for professional studies may also find guidance in those pages of this catalogue which exhibit groups of courses specially appropriate for those men who mean to enter professional schools. On leaving the University, a special student who desires a formal certificate of his attainments may obtain it.

A special student must present testimonials of character and a letter of approval from the last school or college which he attended. He is not admitted to any course which requires previous preparation, unless he passes the proper entrance examination, or presents a proper certificate from an approved school. His course of study must be approved by the Faculty. He is subject to the same regulations as to attendance and examinations as a candidate for a degree. He must take fifteen or sixteen hours a week of class-room work, unless for satisfactory reasons he receives a smaller assignment.

ADMISSION TO COURSES LEADING TO DEGREES

Pupils from schools of known excellence are admitted to the Freshman Class without examination, on the certificates—not the diplomas—of the principals of these schools. Upon application by the principal of any school from which pupils are received in this manner, the University furnishes blank forms for these certificates.

The regular examinations for admission to the FRESHMAN CLASS will take place in Rhode Island Hall on Thursday and Friday of Commencement Week, June 16 and 17, 1898, beginning at 9 o'clock A. M. on Thursday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be :

THURSDAY, JUNE 16

Greek, North Room, 9 A. M. to 11 A. M.

Latin, North Room, 11.30 A. M. to 1.30 P. M.

History, South Room, 9 A. M. to 11 A. M.

English, North Room, 2 P. M. to 4 P. M.

FRIDAY, JUNE 17

Mathematics, North Room, 9 A. M. to 12 M.

French, North Room, 1 P. M. to 3 P. M.

German, South Room, 3 P. M. to 5 P. M.

A second examination in each of the above branches, will be offered on Monday and Tuesday, September 19 and 20, 1898, as follows :

MONDAY, SEPTEMBER 19

Greek, North Room, 9 A. M. to 11 A. M.

Latin, North Room, 11.30 A. M. to 1.30 P. M.

History, South Room, 9 A. M. to 11 A. M.

English, North Room, 2 P. M. to 4 P. M.

TUESDAY, SEPTEMBER 20

Mathematics, North Room, 9 A. M. to 12 M.

French, North Room, 1 P. M. to 3 P. M.

German, South Room, 3 P. M. to 5 P. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

For admission to **ADVANCED STANDING**, candidates, unless coming from other colleges of high rank, are examined in the studies already pursued by the respective classes which they propose to enter. These examinations for 1898 will be held on Monday and Tuesday, September 19 and 20. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 19. A candidate from another college must present a certificate of his standing in the college which he has left and of regular dismissal from it.

I. ENTRANCE EXAMINATIONS TO BE PASSED BY EVERY CANDIDATE FOR A DEGREE

Unless admitted by certificate, or admitted to advanced standing, every undergraduate candidate for a degree from Brown University, whether of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Civil Engineer or Mechanical Engineer, is, before entering, required to pass examination upon a certain amount of Mathematics, of English, and either of French or of German.

Of candidates for the degree of Civil Engineer or of Mechanical Engineer, no other entrance examinations are required.

The entrance examinations which all candidates for degrees must pass are the following:

A. MATHEMATICS

1. Algebra, through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of the fundamental principles and a careful training in accurate computations with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates for the degree of Civil Engineer and Mechanical Engineer are especially requested not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

2. Plane Geometry.

The requirement in Plane Geometry includes the propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry, original propositions and problems in mensuration.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, should pass without some time being given to a mathematical subject. For a four year course an average of two and one-half hours per week during that time will give the best results.

B. ENGLISH

The examination in English consists of two parts; one to test the candidate's general reading, the other to bring out the results of his more careful study and practice. The entire examination occupies not less than two hours.

1. *Reading and Practice.* In this part the candidate must exhibit a good general knowledge of the subject-matter of each work, and answer simple questions on the lives of the authors. The usual form of examination is the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, named in the examination paper. This writing is intended to test his power of clear and accurate expression. In place of a part of this exercise, the candidate may, under special circumstances, be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading.

In 1898 the books for this portion of the examination will be: Milton's *Paradise Lost*, books i and ii, Pope's *Iliad*, books i and xxii, the Sir Roger De Coverley Papers in the *Spectator*, Goldsmith's *Vicar of Wakefield*, Coleridge's *Ancient Mariner*, Southey's *Life of Nelson*, Carlyle's *Essay on Burns*, Lowell's *Vision of Sir Launfal* and Hawthorne's *House of the Seven Gables*.

In 1899: Dryden's *Palamon and Arcite*, Pope's *Iliad*, books i, vi, xxii and xxiv, the Sir Roger De Coverley Papers in the *Spectator*, Goldsmith's *Vicar of Wakefield*, Coleridge's *Ancient Mariner*, De Quincey's *Flight of*

a Tartar Tribe, Cooper's Last of the Mohicans, Lowell's Vision of Sir Launfal and Hawthorne's House of the Seven Gables.

In 1900: Dryden's Palamon and Arcite, Pope's Iliad, books i, vi, xxii, xxiv, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Scott's Ivanhoe, De Quincey's Flight of a Tartar Tribe, Cooper's Last of the Mohicans, Tennyson's Princess and Lowell's Vision of Sir Launfal.

2. *Study and Practice.* This part requires a more careful study of each of the works named. It involves subject-matter, form and structure, and more particularly than Part 1, tests the candidate's ability to express his knowledge with clearness and accuracy.

In 1898 the books for this portion of the examination will be: Shakspeare's Macbeth, Burke's Speech on Conciliation with America, De Quincey's Flight of a Tartar Tribe and Tennyson's Princess.

In 1899: Shakspeare's Macbeth, Milton's Paradise Lost, books i and ii, Burke's Speech on Conciliation with America and Carlyle's Essay on Burns.

In 1900: Shakspeare's Macbeth, Milton's Paradise Lost, books i and ii, Burke's Speech on Conciliation with America and Macaulay's Essays on Milton and Addison.

The candidate is encouraged to do reading parallel and subsidiary to the books mentioned above; he is recommended to commit to memory as much English poetry as possible, and to pay close attention to the essentials of grammar. A candidate will not be accepted in English, whose work is obviously defective in spelling, punctuation, idiom or divisions into paragraphs.

C. FRENCH OR GERMAN

Each candidate must pass examination upon a certain amount either of French or of German, as he chooses. Candidates who present German for entrance must continue German during the Freshman year, and must take French in their Sophomore year; candidates who present French must continue French in their Freshman year, and must take German in their Sophomore year; candidates who present both French and German may take their choice as to which they will continue in the Freshman year.

FRENCH

For candidates who offer French the requirements are as follows:

1. Proficiency in elementary French Grammar, implying, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire* and *craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work necessarily depends. Mastery of Whitney's Brief French Grammar will be regarded as sufficient.

2. Ability to translate simple prose at sight.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the college courses.

3. Ability to pronounce French and to recognize French words and simple phrases when uttered.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

GERMAN

For candidates who offer German the requirements are as follows :

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read the works assigned in the college courses.

3. Ability to pronounce German and to recognize German words and simple phrases when uttered.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

II. ADDITIONAL EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Besides the foregoing examinations in Mathematics, English, and French or German, candidates for admission to the courses leading to the Degree

of Bachelor of Arts are examined in the following subjects. Real equivalents will be received for any of the works mentioned.

A. GREEK

1. Authors: Xenophon's *Anabasis* entire, or four books of the *Anabasis* and three of Homer, regard being had not only to language but to subject-matter as well. Two books of the *Hellenica* may be offered in place of a like amount of the *Anabasis*; and preparation in Homer may be in either the *Iliad* or the *Odyssey*.

2. Grammar: A familiar knowledge of inflection, word-formation and ordinary syntax.

3. Composition: The first twenty-five exercises of Jones's *Composition*, or Allinson's *Composition* as far as part III, or Collar and Daniell's entire.

4. History: The general history of Greece to the death of Alexander.

Candidates are expected to be able to translate at sight simple Attic prose, unusual words being defined, and to write in Greek simple connected narrative based upon the *Anabasis* or the *Hellenica*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in translation of Greek.

B. LATIN

1. Caesar, *Gallic War*, books i-iv, or books i-iii and Sallust's *Catiline*, with questions on the subject-matter and on grammar.

2. Ovid, twenty-five hundred lines.

3. Cicero, the *Orations* against *Catiline* and the *Oration* for *Archias*, with questions as on Caesar.

4. Vergil, *Aeneid*, books i-vi, or books i-v and the *Eclogues*, with questions on the subject-matter and on prosody.

5. Translation at sight of ordinary passages from Caesar, Cicero's *Orations*, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned.

6. Translation into Latin of simple English sentences.

7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

8. Outline of Roman geography, and of Roman history to the end of the reign of Marcus Aurelius.

It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

In pronouncing Latin, *ā* should be pronounced as in *father*, *ǣ* as in *Cuba*; *ē* as in *prey*, *ĕ* as in *men*; *ī* as in *machine*, *ī* as in *cigar*; *ō* as in *old*, *ō* as in *obey*; *ū* as in *rule*, *ŭ* as in *full*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in translation of Latin.

PRELIMINARY EXAMINATIONS IN THE CLASSICS

In the studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, in 1898, on Thursday, June 16, *and then only*. They will be held in the South Room of Rhode Island Hall, and in the following order:

Greek, 9 to 11 A. M.

Latin, 11.30 A. M. to 1.30 P. M.

The subjects will be:

Greek.—1. Greek Grammar; 2. Three books of Xenophon's *Anabasis*.

Latin.—1. Latin Grammar; 2. Caesar, or Caesar and Sallust, as above; 3. Translation into Latin of simple sentences; 4. Ovid or Cicero or Vergil, as above.

III. ADDITIONAL EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

Beside the examinations in Mathematics, English, and French or German, specified on pages 34-37, candidates for the degree of Bachelor of Philosophy are examined as follows:

A. LATIN

1. Caesar, Gallic War, books i-iv, or books i-iii and Sallust's *Catiline*, with questions on the subject-matter and on grammar.

2. Ovid, twenty-five hundred lines.

3. Cicero, the Orations against *Catiline* and the Oration for *Archias*, with questions as on Caesar.

4. Vergil, *Aeneid*, books i-vi, or books i-v and the *Eclogues*, with questions on the subject-matter and on prosody.

5. Translation at sight of ordinary passages from Caesar, Cicero's Orations, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned.

6. Translation into Latin of simple English sentences.

7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

8. Outlines of Roman geography.

It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

In pronouncing Latin, *ā* should be pronounced as in *father*, *ă* as in *Cuba*; *ē* as in *prey*, *ĕ* as in *men*; *ī* as in *machine*, *î* as in *cigar*; *ō* as in *old*, *ŏ* as in *obey*; *ŭ* as in *rule*, *ŭ* as in *full*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Latin.

SUBSTITUTES FOR LATIN

Instead of the above requirements in Latin either one of the three substitutes below described is accepted.

Substitute 1. Minor Requirement in Latin. For pupils nineteen years of age or over, who offer proof of attainments in general subjects such as a diligent and competent student would derive from two years full attendance at a good high school or academy, the above requirement in Latin is reduced to five books of Caesar or its equivalent in Cicero, Vergil or other standard authors. Students offering only this smaller amount of Latin cannot, however, pursue any of the Latin courses in College.

Substitute 2. Greek. Instead of the Latin specified above, whether the full or the minor requirement, candidates for the Degree of Bachelor of Philosophy may offer Greek. Candidates presenting Greek as a preparatory study will be examined in all the Greek subjects specified on page 38. Students fulfilling this requirement usually wish to pursue Greek in College and are permitted to do so.

Substitute 3. German and French. If the candidate prefer, he may present both the French and the German specified on pages 36 and 37, in which case no Latin examination whatever is required of him.

B. HISTORY

Either the general history of Greece to the death of Alexander, and Roman history to the end of the reign of Marcus Aurelius; or the general history of England and the United States.

IV. ADDITIONAL EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Besides the examinations in Mathematics, English, and French or German, specified on pages 34-37, candidates for the Degree of Bachelor of Science are examined in the following:

A. MATHEMATICS

1. Solid and Spherical Geometry.
2. Plane Trigonometry, with the use of logarithmic and trigonometric tables.

B. LATIN

Five Books of Caesar, or the equivalent thereof in Cicero or Vergil.

Substitute. If the candidate prefer, he may present both the French and the German specified on pages 36 and 37, in which case no examination in Latin is required of him.

C. HISTORY

Either the general history of Greece to the death of Alexander, and Roman History to the end of the reign of Marcus Aurelius; or the general history of England and of the United States.

V. EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF
CIVIL ENGINEER OR OF MECHANICAL ENGINEER

Candidates for the degree of Civil Engineer or of Mechanical Engineer are required to pass only the examinations in Mathematics, English, and French or German, specified on pages 34-37.

COURSES OF INSTRUCTION

FOR GRADUATE STUDENTS

Instruction for graduate students is treated by itself in a later section. Full information concerning it may be had by application to the Registrar.

FOR UNDERGRADUATE STUDENTS

The studies for undergraduates are partly required and partly elective. In the Freshman year the studies are nearly all required, the main exception being that candidates for the degree of Bachelor of Philosophy or of Bachelor of Science have a choice of courses, according as they do or do not wish to pursue an ancient language. The required studies of the Freshman year are selected for disciplinary value in preparation for the studies of subsequent years. Candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy are, during the last three years, allowed large liberty in the choice of studies. Candidates for the degree of Bachelor of Science are allowed less freedom of election, in order that they may thoroughly master the branches necessary to a proper equipment in science; while candidates for the strictly professional degree of Civil Engineer or of Mechanical Engineer are, (with the single exception noted on page 49) allowed no option.

The elective studies are so placed in the curriculum as to give all the freedom of choice which the necessary limitations of the schedule of lectures admit. In arranging this schedule a number of parallel courses, each unitary and progressive and extending through the last three years, are made available. Every student is advised, in selecting his studies, to adopt, in the main, one of these courses; and is strongly warned against the danger of choosing his studies hap-hazard, as chance or caprice may direct.

Students who wish to give their work definiteness and unity will find helpful suggestions in the lists, set forth in later pages of this Catalogue, of "Courses Preparatory to Professional Studies."

COURSES OF INSTRUCTION ARRANGED ACCORDING TO YEARS AND TERMS

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
Military Drill	Military Drill	Military Drill
	Gymnasium	

SOPHOMORE YEAR

Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
German 1 or French A	German 2 or French B	German 3 or French C
Electives, nine hours	Gymnasium	Electives, nine hours
	Electives, nine hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19 †
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

II. ELECTIVE COURSES

All elective courses except Drawing 29, 30, 31, and Civil Engineering 4, are open to candidates for the degree of Bachelor of Arts.

*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year. This note applies also to the courses for all other degrees.

†Unless a course in Philosophy has been elected in each of the two preceding terms, in which case fifteen hours may be elected.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
Military Drill	Military Drill	Military Drill
	Gymnasium	

and one † of the following :

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comp. Anat. 15	Comp. Anat. 1	Comp. Anat. 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19 ‡
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

II. ELECTIVE COURSES

All elective courses, except Drawing 29, 30, 31, and Civil Engineering 4, are open to candidates for the degree of Bachelor of Philosophy.

* See note, p. 43.

† Freshmen whose entrance work is complete may carry Drawing 2, 3, 4 as an extra study.

‡ Unless a course in Philosophy has been elected in each of the two preceding terms, in which case fifteen hours may be elected.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 4, 5	Mathematics 6	Mathematics 7
Mathematics 9	Mathematics 10	Mathematics 12
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
Military Drill	Military Drill	Military Drill
	Gymnasium	

And one of the following :

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Comp. Anat. 15	Comp. Anat. 1	Comp. Anat. 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Electives, six hours	Gymnasium	Electives, six hours
	Electives, six hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19*
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists of fifteen hours of electives per week.

*See note p. 43.

†Unless a course in Philosophy has been elected in each of the two preceding terms, in which case fifteen hours may be elected.

II. ELECTIVE COURSES

First Term

Mathematics 13 So. Jr.	German 4 So. Jr. Sr.	Physics 26 Sr.
“ 15 Jr. Sr.	Botany 1 So. Jr. Sr.	“ 29 Jr. Sr.
“ 18 Sr.	Botany 4 So. Jr. Sr.	Spanish 1 So. Jr. Sr.
Civil Engineering 1 So. Jr.	Botany 7 Jr. Sr.	Italian 1 So. Jr. Sr.
Civil Engineering 13 Sr.	Comparative Anatomy 15 So. Jr. Sr.	History 4 Jr. Sr.
Mechanical Engineering 1 So. Jr. Sr.	Comparative Anatomy 3 So. Jr. Sr.	“ 7 Sr.
Mechanical Engineering 3 Sr.	Comparative Anatomy 16 Jr. Sr.	Philosophy 36 Jr.
Mechanical Engineering 6 Sr.	Comparative Anatomy 19 Sr.	“ 2 Jr.
Mechanical Engineering 12 So. Jr. Sr.	Mechanics 3 Jr. Sr.	“ 20 Sr.
Mechanical Engineering 15 So. Jr. Sr.	“ 7 Sr.	“ 29 Sr.
Mechanical Engineering 17 So. Jr. Sr.	Astronomy 1 Jr. Sr.	“ 8 Sr.
Mechanical Engineering 18 So. Jr. Sr.	“ 8 Sr.	“ 5a Sr.
French 4 So. Jr. Sr.	Chemistry 4 Jr. Sr.	“ 33 Sr.
French 13 Jr. Sr.	“ 7 Sr.	English 1 So. Jr. Sr.
	“ 10 Sr.	“ 27 So. Jr. Sr.
	Physics 5 Jr. Sr.	Social Science 1 Jr. Sr.
	“ 11 Sr.	Political Science 1 Jr. Sr.
	“ 13 Sr.	Political Economy 1 Jr. Sr.
	“ 17 Sr.	Geology 1 Sr.
		Pedagogy 1 Sr.

Second Term

Mathematics 14 So. Jr.	German 6 So. Jr. Sr.	Physics 27 Sr.
“ 16 Jr. Sr.	Botany 2 So. Jr. Sr.	“ 14 Sr.
“ 19 Sr.	“ 5 So. Jr. Sr.	“ 30 Sr.
Civil Engineering 2 So. Jr.	“ 8 Jr. Sr.	“ 18 Sr.
Civil Engineering 10 Jr. Sr.	“ 13 So. Jr. Sr.	“ 18 Sr.
Civil Engineering 14 Sr.	Comparative Anatomy 1 So. Jr. Sr.	Spanish 2 Jr. Sr.
Civil Engineering 15 Jr. Sr.	Comparative Anatomy 4 So. Jr. Sr.	Italian 2 Jr. Sr.
Civil Engineering 16 Sr.	Comparative Anatomy 17 Jr. Sr.	History 5 Jr. Sr.
Mechanical Engineering 4 Sr.	Comparative Anatomy 20 Sr.	“ 8 Sr.
Mechanical Engineering 7 Sr.	Comparative Anatomy 9 Sr.	Philosophy 37 Jr.
Mechanical Engineering 10 So. Jr. Sr.	Mechanics 4 Jr. Sr.	“ 3 Jr.
Mechanical Engineering 13 So. Jr. Sr.	“ 8 Sr.	“ 21 Sr.
Mechanical Engineering 17 So. Jr. Sr.	Astronomy 2 Jr. Sr.	“ 30 Sr.
Mechanical Engineering 18 So. Jr. Sr.	“ 3 Jr. Sr.	“ 9 Sr.
French 5 So. Jr. Sr.	“ 9 Sr.	“ 5b Sr.
“ 14 Jr. Sr.	Chemistry 5 Jr. Sr.	“ 6 Sr.
	“ 8 Sr.	“ 34 Sr.
	Astronomy 2 Jr. Sr.	English 2 So. Jr. Sr.
	“ 3 Jr. Sr.	“ 28 So. Jr. Sr.
	“ 9 Sr.	Social Science 2 Jr. Sr.
	Chemistry 5 Jr. Sr.	Political Science 3 Jr. Sr.
	“ 8 Sr.	Political Economy 2 Jr. Sr.
	“ 11 Sr.	Geology 2 Sr.
	“ 13 Sr.	Zoölogy 1 Jr. Sr.
	“ 17 Sr.	Pedagogy 2 Sr.
	Physics 9 Jr. Sr.	
	“ 12 Sr.	

Third Term

Mathematics 11 So. Jr. Sr.	ing 18 So. Jr. Sr.	Physics 15 Sr.
Mathematics 8 Jr. Sr.	French 6 So. Jr. Sr.	" 16 Sr.
" 20 Sr.	French 15 So. Jr. Sr.	" 28 Sr.
Civil Engineering 3 So. Jr.	German 8 So. Jr. Sr.	" 19 Sr.
Civil Engineering 8 So. Jr. Sr.	Botany 3 So. Jr. Sr.	" 31 Jr. Sr.
Civil Engineering 11 Jr. Sr.	" 6 So. Jr. Sr.	Spanish 3 Jr. Sr.
Civil Engineering 12 Jr. Sr.	" 12 Jr. Sr.	Italian 3 Jr. Sr.
Civil Engineering 17 Sr.	" 14 So. Jr. Sr.	History 6 Jr. Sr.
Civil Engineering 18 Sr.	Comparative Anatomy 2 So. Jr. Sr.	" 9 Sr.
Mechanical Engineering 9 Jr. Sr.	Comparative Anatomy 10 So. Jr. Sr.	Philosophy 38 Jr.
Mechanical Engineering 5 Sr.	Comparative Anatomy 18 Jr. Sr.	" 19 Jr.
Mechanical Engineering 8 Sr.	Comparative Anatomy 21 Sr.	" 4 Jr. Sr.
Mechanical Engineering 11 So. Jr. Sr.	Comparative Anatomy 8 Sr.	" 22 Sr.
Mechanical Engineering 14 So. Jr. Sr.	Mechanics 6 Jr. Sr.	" 31 Sr.
Mechanical Engineering 17 So. Jr. Sr.	Astronomy 6 Jr. Sr.	" 10 Sr.
Mechanical Engineer-	" 4 Jr. Sr.	" 15 Sr.
ing	" 10 Sr.	" 35 Sr.
	Chemistry 6 Jr. Sr.	" 18 Sr.
	" 9 Sr.	English 3 So. Jr. Sr.
	" 12 Sr.	" 6 Jr. Sr.
	" 14 Sr.	Social Science 3 Jr. Sr.
	" 18 Sr.	Political Science 2 Jr. Sr.
	" 20 Sr.	Jr. Sr.
	Physics 10 Jr. Sr.	Political Economy 3 Jr. Sr.
		Geology 3 Sr.
		Anthropology 1 Sr.
		Zoölogy 2 Jr. Sr.
		Pedagogy 3 Sr.

FOR CANDIDATES FOR THE DEGREE OF CIVIL ENGINEER

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Drawing 2	Drawing 3	Drawing 4
Drawing 1	Drawing 5	Drawing 6
Drawing 29	Drawing 30	Drawing 31
Rhetoric 2	Rhetoric 3	Rhetoric 4
Military Drill	Military Drill	Military Drill
	Gymnasium	

SOPHOMORE YEAR

Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
Drawing 7	Civil Engineering 4	Civil Engineering 8
Mathematics 9	Mathematics 10	Mathematics 12
German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
	Gymnasium	

JUNIOR YEAR

Civil Engineering 5	Civil Engineering 6	Civil Engineering 7
Mathematics 13	Mathematics 14	Civil Engineering 12
Mechanics 3	Mechanics 4	Mechanics 6
Astronomy 1	Astronomy 3	Astronomy 4
Physics 5	Physics 9	Physics 10
	Civil Engineering 16	Philosophy 19
	Gymnasium	

SENIOR YEAR

Civil Engineering 19	Civil Engineering 10	Civil Engineering 11
Civil Engineering 13	Civil Engineering 14	Civil Engineering 18
Mechanics 7	Civil Engineering 15	Civil Engineering 17
Geology 1	Civil Engineering 20	Civil Engineering 21
Thesis	Mechanics 8	Geology 3
	Thesis	Thesis
	Gymnasium	

* See note p. 43.

FOR CANDIDATES FOR THE DEGREE OF MECHANICAL ENGINEER

FRESHMAN YEAR

First Term

Mathematics 1
Drawing 1
Drawing 2
*French 1 or German 4
Rhetoric 2
Military Drill

Second Term

Mathematics 3
Drawing 5
Drawing 3
French 2 or German 6
Rhetoric 3
Military Drill
Gymnasium

Third Term

Mathematics 2
Drawing 6
Drawing 4
French 3 or German 8
Rhetoric 4
Military Drill

SOPHOMORE YEAR

Mathematics 9
Drawing 7
Mech. Engineering 1
Chemistry 1
Physics 1
German 1 or French A

Mathematics 10
Drawing 8
Mech. Engineering 10
Chemistry 2
Physics 2
German 2 or French B
Gymnasium

Mathematics 12
Drawing 9
Mech. Engineering 11
Chemistry 3
Physics 4
German 3 or French C

JUNIOR YEAR

Philosophy 2
Mathematics 13
Mechanics 3
Drawing 10
Mech. Engineering 12
Physics

Philosophy 3
Mathematics 14
Mechanics 4
Drawing 11
Mech. Engineering 13
Physics 9
Gymnasium

Philosophy 19
Mech. Engineering 9
Mechanics 6
Drawing 12
Mech. Engineering 14
Physics 10

SENIOR YEAR

Mechanics 7
Mech. Engineering 3
Mech. Engineering 6
Drawing 27 †
Mech. Engineering 15

Mechanics 8
Mech. Engineering 4
Mech. Engineering 7
Drawing 28 †
Mech. Engineering 16
Gymnasium

Thesis Work
Mech. Engineering 5
Mech. Engineering 8
Original Design

* See note p. 43.

† Students who desire to pursue Electrical Work may, if they so elect, substitute Physics 11, 12 and 15, for Drawing 27 and 28.

COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

I. PHILOSOPHY

THE PRESIDENT, PROFESSORS DELABARRE, EVERETT AND JACOBS,
DRS. DENNIS AND MEIKLEJOHN, MR. BOODIN

19. *Logic*. Three hours. Third Term. Required of all Juniors who have not taken 36, 37, or 2, 3.

The course is intended to exhibit the principles of correct thought, whether of the ordinary or of the scientific type.

DR. MEIKLEJOHN

36, 37, 38. *Philosophical Introduction*. Three hours. Through the year. Elective for Juniors.

An elementary course in the main problems of philosophy and their typical solutions; intended to acquaint the student with the attitude and method adopted in philosophical discussion, and to introduce him to the literature of the subject.

THE PRESIDENT AND PROFESSORS DELABARRE AND EVERETT

2, 3, 4. *Psychology, general synthetic course*. Three hours. Through the year. Elective for Juniors.

A valuable transition from the special sciences to philosophy.

PROFESSOR DELABARRE

20, 21, 22. *Psychology, advanced course*. Three hours. Through the year. Elective for Seniors and Graduates.

A seminary for the discussion of important and interesting questions in psychology. First Term, the fundamental principles of psychology; Second Term, abnormal and unusual states of consciousness; Third Term, subject undetermined.

PROFESSOR DELABARRE

29, 30, 31. *Psychology, advanced and original experimental work*. Three hours. Through the year. Elective for Seniors and Graduates.

The student is introduced to the chief lines of experiment, and is given an opportunity to study further the most interesting problem and to pursue original investigations in the laboratory.

PROFESSOR DELABARRE AND DR. MEIKLEJOHN

8 *History of Greek Philosophy.* Three hours. First Term. Elective for Seniors and Graduates.

The treatment is not merely analytic or historical, but synthetic and constructive; the successive philosophical systems are studied in their dialectical development and mutual relations.

PROFESSOR EVERETT

9. *History of Mediaeval and Early Modern Philosophy.* Three hours. Second Term. Elective for Seniors and Graduates who have passed in 8.

PROFESSOR EVERETT

10. *History of Recent and Contemporary Philosophy.* Three hours. Third Term. Elective for Seniors and Graduates who have passed in 8 and 9.

PROFESSOR EVERETT

5a. *Theoretical Ethics, Part I.* Three hours. First Term. Elective for Seniors and Graduates.

This course, which is largely devoted to a discussion of the moral ideal, is, like the other courses in ethics, intended to aid the student in mastering the fundamental problems of life and character.

PROFESSOR EVERETT

5b. *Theoretical Ethics, Part II.* Three hours. Second Term. Elective for Seniors and Graduates.

A critical and historical study of the chief problems of ethics, concluding with a discussion of the metaphysical implications of morality.

PROFESSOR EVERETT

6, 15. *Practical Ethics.* Three hours. Second and Third Terms. Elective for Seniors and Graduates.

THE PRESIDENT

17, 18. *Conversations in Casuistry.* One hour. Second and Third Terms. Elective for Seniors and Graduates.

THE PRESIDENT

24. *Philosophy of Religion.* Three hours. Third Term. Elective for Seniors and Graduates.

The historical development of religion is considered, its metaphysical basis is investigated, and an interpretation of the religious and especially of the Christian consciousness is attempted.

PROFESSOR EVERETT

14. *Philosophical Seminary.* Two hours. Through the year. Elective for Graduates.

Papers, followed by discussion, on the more difficult problems of philosophy. The subject for 1897-98 is the philosophy of Schopenhauer.

PROFESSOR EVERETT

33, 34, 35. *Kantian System of Philosophy*. Three hours. Through the year. Elective for Seniors and Graduates.

This system is considered, together with its development out of preceding and into subsequent philosophical thought.

DR. MEIKLEJOHN

Philosophical Club. A Philosophical Club, consisting of Graduate and Senior students of philosophy in all its branches, has been formed for the encouragement of the independent discussion of philosophical questions and for the fostering of a more intelligent interest in the subject. The club meets once a month for the reading of papers and for free discussion. Though the organization is primarily in the hands of the students, the officers of instruction in the philosophical department, as well as other persons interested in philosophy but not members of the University, are usually present to take part in the proceedings.

PEDAGOGY

PROFESSOR JACOBS, DR. DENNIS

1. *History of Educational Theories and Institutions*. Three hours. First Term. Elective for Seniors and Graduates.

Lectures, essays and private reading of educational classics.

DR. DENNIS

2. *Institutes of Pedagogy*. Three hours. Second Term. Elective for Seniors and Graduates.

Lectures, essays and conferences.

PROFESSOR JACOBS

3. *Practical Pedagogy*. Three hours. Third Term. Elective for Seniors and Graduates.

School systems in this country and in Europe, school hygiene, school management and discipline, methods in teaching certain subjects; opportunity for observation of typical schools.

PROFESSOR JACOBS.

4, 5, 6. *Seminary in Pedagogy*. Two hours. Through the year. For student-teachers and, by special permission, elective for others.

Herbartian pedagogy, child study, including the period of adolescence, school hygiene and educational values.

PROFESSOR JACOBS

NOTE: From members of the Senior class who have completed the course in Pedagogy offered during the Senior year, the school committee of the City of Providence makes appointments to the position of student-teacher in the High School. To those thus appointed the High School serves as a school of observation and practice in connection with the graduate course in Pedagogy. In return for the services rendered, the city gives such a student-teacher half the pay of a regular teacher. The time required each day is somewhat more than half the usual period of service. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of pedagogy and at the same time practical experience in the art of teaching.

7, 8, 9. *Seminary in Methods*. Two hours. Through the year. For student-teachers and, by special permission, elective for others.

Methods in discipline; Latin, Greek, French, English, History, Mathematics, Physics and Chemistry.

PROFESSOR JACOBS and DR. DENNIS

10, 11, 12. *Problems in Practical Teaching*. Once a week. Through the year. For student-teachers.

Seminary course. Control and conduct of classes, plans for single lessons and for "method wholes," teaching under observation, observation of the work of experienced teachers, reports, private conferences, theses upon practical questions of educational work.

PROFESSOR JACOBS

II. HISTORY

PROFESSORS JAMESON, MUNRO AND DEALEY, DR. BURNETT

1. *General Mediaeval History of Europe*. Three hours. First Term. Required of all Juniors.

Recitations and lectures, reports by members of the class, supplementary readings.

PROFESSOR MUNRO

NOTE: Similar methods are used in the following courses, to 8 inclusive.

2. *General Modern History of Europe*. Three hours. Second Term. Required of all Juniors.

PROFESSOR MUNRO

15. *Islam and the Crusades*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

PROFESSOR MUNRO

11. *History of the Renaissance.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

PROFESSOR MUNRO

3. *History of the Reformation.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

PROFESSOR MUNRO

16. *French Revolution.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

PROFESSOR MUNRO

4. *English Constitutional and Political History to 1625.* Three hours. First Term. Elective for Juniors and Seniors.

DR. BURNETT

5. *English Constitutional and Political History since 1625.* Three hours. Second Term. Elective for Juniors and Seniors.

DR. BURNETT

6. *History of Europe since 1800.* Three hours. Third Term. Elective for Juniors and Seniors.

DR. BURNETT

7. *Constitutional and Political History of the United States to 1801.* Three hours. First Term. Elective for Seniors.

PROFESSOR JAMESON

8. *Constitutional and Political History of the United States since 1801.* Three hours. Second Term. Elective for Seniors.

PROFESSOR JAMESON

9. *Practical Exercises in American History.* Three hours. Third Term. Elective for Seniors who have passed in 7 and 8 and for Graduates.

Individual research, practice in the use of sources. Instruction of students individually, occasional meetings in class.

PROFESSOR JAMESON

10. *Principles of Historical Criticism.* One hour. Through the year. Elective for Graduates.

Lectures and exercises.

PROFESSOR JAMESON

13. *History of Historical Writing in Modern Europe.* One hour. First and Second Terms. Elective for Graduates.

PROFESSOR JAMESON

17. *Historical Bibliography.* One hour. Through the year. Elective for Graduates. Not offered in 1897-98.

PROFESSOR JAMESON

12. *Practical Exercises in Historical Criticism.* One hour. Through the year. Elective for Graduates.

First Term, reign of Charlemagne; Second and Third Terms, earliest period of English history.

PROFESSORS JAMESON AND DEALEY

14. *American History, Special Course.* One hour. Through the year. Elective for Graduates.

First Term, selected topics in the financial history of the Colonies; Second and Third Terms, in the history of nullification and secession.

PROFESSORS JAMESON AND DEALEY

Historical Seminary. The Historical Seminary, conducted by Professor Jameson, and including the Graduate Students of history and a few of the most advanced Undergraduates, meets once a week. Its meetings are devoted to original papers, to reports upon studies of method, and to the historical reviews and journals. The Seminary of Mediaeval History, conducted by Professor Munro, is devoted to similar work in connection with his courses.

III. SOCIAL AND POLITICAL SCIENCE

PROFESSORS WILSON AND DEALEY, MR. WILCOX

SOCIAL SCIENCE

1. *Principles of Sociology.* Three hours. First Term. Elective for Juniors and Seniors.

Structure of society, development and nature of social relations.

PROFESSOR WILSON

2. *Social Problems and Conditions.* Three hours. Second Term. Elective for students who have passed in 1.

Some conclusions of anthropology and ethnology; the family, marriage, divorce, immigration, charity, pauperism; criminology, penology, intemperance, education, social legislation.

PROFESSOR WILSON

3. *Social Problems and Conditions, continued.* Three hours. Third Term. Elective for students who have passed in 1 and 2.

PROFESSOR WILSON

4. *Social Philosophy*. Three hours. Third Term. Elective for students who have passed in 1 and for Graduates.

The place of social studies, comparison of aims and ideals in social life, social well-being.

PROFESSOR DEALEY

5. *Development of Social Theory*. Three hours. Second Term. Elective for Seniors and Graduates.

Social theories ancient and modern.

PROFESSOR DEALEY

6. *Municipal Functions and Administration*. Three hours. First Term. Elective for Seniors and Graduates.

Segregation of population, its causes; problems. Comparative and historical study.

PROFESSOR DEALEY

- 7, 8, 9. *Current Social Theory and Practice*. One hour. Through the year. Elective for Graduates.

Practical sociological investigations.

PROFESSORS WILSON AND DEALEY

POLITICAL SCIENCE

1. *The State*. Three hours. First Term. Elective for Juniors and Seniors.

Origin, development, forms, end and functions of the state.

PROFESSOR WILSON

2. *Comparative Study of Constitutions*. Three hours. Third Term. Elective for students who have passed in 1 and 4.

With special reference to the constitutions of Germany, France, Great Britain and Switzerland.

PROFESSOR DEALEY

3. *International Law and Relations*. Three hours. Second Term. Elective for students who have passed in 1.

PROFESSOR WILSON

4. *United States Constitutions*. Three hours. Second Term. Elective for students who have passed in 1.

National and local constitutions and institutions.

PROFESSOR DEALEY

5. *Development of Political Theory*. Three hours. First Term. Elective for students who have passed in 1.

Growth of important political ideas traced from Plato to the present time.

PROFESSOR DEALEY

6. *Roman Law*. Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1897-98.

Influence of Roman law on political institutions. Historical and legal exposition.

NOTE: An advanced course, three hours a week, in Political Science, including Roman Law, will be offered in 1898-99.

7. *Diplomacy*. Three hours. Third Term. Elective for students who have passed in 3 and for Graduates.

Art and practice of international negotiation.

PROFESSOR WILSON

8, 9, 10. *Current Political Theory and Practice*. One hour. Through the year. Elective for Graduates.

Investigation of topics in American and foreign politics.

PROFESSORS WILSON AND DEALEY

ELEMENTARY LAW

MR. WILCOX

1. *Persons and Personal Property*. Three hours. First Term. Elective for Juniors and Seniors.

NOTE: Groups 1, 2, 3, and 4, 5, 6 are given in alternate years; 4, 5, 6 being the group for 1897-98. They should be taken consecutively, beginning in the Junior year with either 1 or 4. These six courses prepare thorough students to enter law schools with advanced standing and possibly to shorten their law course by one year; they also give a good foundation to the student who expects to prepare for the bar in a law office. The first four courses in particular are of value to all who wish to know the general principles of the Common Law.

2. *Real Property*. Three hours. Second Term. Elective for Juniors and Seniors.

3. *Contracts*. Three hours. Third Term. Elective for Juniors and Seniors.

4. *Torts and Criminal Law*. Three hours. First Term. Elective for Juniors and Seniors.

5. *Common Law Practice and Pleading*. Three hours. Second Term. Elective for Juniors and Seniors.

6. *Evidence*. Three hours. Third Term. Elective for Juniors and Seniors.

IV. POLITICAL ECONOMY

PROFESSOR GARDNER

1, 2, 3. *Elementary Course*. Three hours. Through the year. Elective for Juniors and Seniors.

First Term, nature of economics and history of the development of economic life; Second Term, analysis of economic life as found among the more advanced nations to-day; Third Term, discussion and criticism of the existing economic system and of the more important plans for modifying it.

4. *History of Economic Thought*. Three hours. First Term. Elective for Seniors and Graduates.

Study of the works of the most important writers.

7. *Practical Economic Questions*. Three hours. First Term. Elective for Seniors and Graduates.

Criticism of the existing economic system and of the more important plans for modifying it. Given this year because 3 was omitted in 1896-97, three terms being devoted to 1 and 2.

6. *Money and Banking*. Three hours. Second Term. Elective for Seniors and Graduates.

Existing monetary and banking systems, theory of money and credit, current problems.

5. *Public Finance*. Three hours. Second Term. Elective for Seniors and Graduates.

Description and comparison of the financial systems of the United States and foreign nations; local finance, taxation.

9. *Methods of Economic Investigation*. Three hours. Third Term. Elective for Seniors and Graduates.

Deductive, historical and statistical methods, and the methods employed by LePlay and Charles Booth.

NOTE: An additional course, subject to be announced later, will be offered the Third Term.

V. THE FINE ARTS

PROFESSOR POLAND, MESSRS. ISHAM AND ASHTON

HISTORY AND CRITICISM

PROFESSOR POLAND

1. *Ancient Art or Classical Archaeology.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

General course in the history of ancient art, chiefly Greek and Roman. Text-book; lectures illustrated by casts, slides, photographs and engravings; collateral reading.

NOTE: Courses 1, 4, 6 may be taken independently, but students are advised to elect all three in the above order. Students are strongly advised to take 1, if possible, before any other course in the History of Art. A knowledge of Greek, Latin, German and French is very helpful to those who pursue even the general courses in this department.

4. *Early Christian and Mediaeval Art.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Notice of Byzantine, Arabian, and Oriental art; study of Romanesque and Gothic art. Text-book, lectures, lantern views.

6. *Art of the Renaissance.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch is recognized, the development of art in the different countries of Europe is traced, and the great masters and their most significant works are studied.

7. *Modern Art.* Three hours. First Term. Elective for students who have passed in 6.

The seventeenth and eighteenth centuries.

NOTE: Courses 7, 9, 8 form a consecutive outline.

9. *Modern Art, continued.* Three hours. Second Term. Elective for students who have passed in 7.

The nineteenth century.

8. *Theory and Criticism of the Fine Arts.* Three hours. Third Term. Elective for students who have passed in any course in the History of Art.

Study of the more important facts and laws of artistic production.

10. *Seminary in Classical Architecture.* Elective for Graduates. Not offered in 1897-98.

Critical study; Vitruvius read in the original Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius in the Renaissance.

NOTE: Courses 10, 11, 3 constitute a consecutive critical course in classical archaeology, especially useful to those who wish to do advanced work in classical archaeology, philology or history.

11. *Seminary in Greek and Roman Sculpture.* Elective for Graduates. Not to be offered in 1898-99.

Study of sources; critical reading of selected passages from Greek and Roman authors bearing on the history of sculpture, as presented in Overbeck's *Schriftquellen*.

3. *Seminary Study of the Acropolis of Athens.* Elective for Graduates. Not offered in 1897-98.

Critical reading, in the Greek, of Pausanias's account of the Acropolis of Athens; lectures and illustrations.

12. *Seminary in Renaissance Art.* Elective for Graduates. Not to be offered in 1898-99.

Critical study of the art of the fifteenth and sixteenth centuries, particularly in Italy. The general spiritual conditions are noted carefully, the influences prevalent in art are analyzed, and the great masters are studied more in detail than in 6, which must be taken (or its equivalent) before this course.

NOTE: Other courses for Graduates are arranged as needed.

ARCHITECTURE

MR. ISHAM

1, 2. *The Orders.* Three hours. Second and Third Terms. Elective for students who have passed in Drawing 7.

One hour lecture and recitation, four hours drawing.

6, 7, 8. *Design.* Three hours. Through the year. Elective for students who have passed in 2.

One hour lecture and recitation, four hours drawing. Problems for solution, preliminary sketches, final drawings, plans, elevations and sections; lectures on theory of design.

12, 13, 14. *Design, advanced.* Three hours. Through the year. Elective for students who have passed in 6, 7, 8.

One hour lecture and recitation, four hours drawing. Continuation of 8. Advanced problems, sketches and final drawings.

32, 33, 34. *Domestic Architecture.* Three hours. Through the year. Elective for those who have taken or who are taking History of Art 1, 4 or 6.

Study of the house, palace and castle in France, England and the English Colonies in America. Illustrated lectures, recitations and reading. No drawing is required, though the ability to draw, both free-hand and to scale, is very useful. A reading knowledge of French is also an advantage.

NOTE: This course alternates with the following.

35, 36, 37. *Ecclesiastical Architecture.* Three hours. Through the year. Elective for those who have taken or who are taking History of Art 1, 4 or 6. Not offered in 1897-98.

Study of church building since 1000, A. D. in France, England and the English Colonies in America. Methods as in 32, 33, 34.

NOTE: All these courses as well as the following are open to Graduates and Special Students.

20, 21, 22. *History of Ornament.* Three hours. Through the year. Elective for Graduates and Special Students.

One hour lecture and recitation, four hours drawing. Study of the nature and development of ornament in reference to architectural design and to decoration. This course is valuable to all designers.

NOTE: For Graduates and Special Students other courses are arranged when necessary.

MUSIC

MR. ASHTON

1. *Harmony.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Study of the construction and connections of chords; practice in the use of chords by the writing of exercises which are corrected in the class-room with explanations and illustrations.

NOTE: Courses 1 to 9 inclusive are sequential and must be taken in order.

2. *Harmonization*. Three hours. Second Term. Elective for Sophomores, Juniors and Seniors.

Harmonization of canti-firmi and use of non-harmonic notes. Method as in 1.

3. *Simple Counterpoint*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

The treatment of several melodious voice-parts in harmonic combination. Method as in 1.

4. *Harmonic and Contrapuntal Analysis*. Three hours. First Term. Elective for Juniors and Seniors.

Review of harmony and simple counterpoint and study of the use of these by leading composers; practice in writing exercises and compositions.

5. *Double Counterpoint and Canon*. Three hours. Second Term. Elective for Juniors and Seniors.

6. *Canon and Imitation*. Three hours. Third Term. Elective for Juniors and Seniors.

7. *Fugue*. Three hours. First Term. Elective for Seniors and Graduates.

8. *Fugue and Free Composition*. Three hours. Second Term. Elective for Seniors and Graduates.

9. *Free Composition and Instrumentation*. Three hours. Third Term. Elective for Seniors and Graduates.

14. *Musical Introduction*. Three hours. Second Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15. *Music and Musicians of the Nineteenth Century*. Three hours. Third Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course the aim of which is to acquaint the student with the life, works and style of Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of this century.

10, 11, 12. *Structure and History of Music*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

Lectures on the history of music from the earliest times to the present. Musical forms, the suite form, the sonata form, etc., are taken up in order of their historical appearance and prominence, and composers are considered in connection with those forms in which they expressed themselves most perfectly.

13. *Sacred Music*. Three hours. Third Term. Elective for Juniors and Seniors.

Study of music in its application to religious worship. The subject is treated historically, theoretically and practically. Designed for those who are to be intrusted with the conduct of services of divine worship.

20, 21, 22. *The Symphony*. Three hours. Through the year. Elective for Graduates.

Study of the evolution of the symphony orchestra and of the works of symphonists from Haydn to Brahms and Tschaikowsky.

23, 24, 25. *The Song*. Three hours. Through the year. Elective for Graduates. Not offered in 1897-98.

History of song in the nineteenth century; study in the aesthetics of song composition.

VI. INDO-EUROPEAN PHILOLOGY

PROFESSOR ALLINSON

1. *General Introduction to the Study of Language*. Three hours. Third Term. Elective for Juniors and Seniors.

Outline of the history of the Indo-European languages; life and growth of language; Whitney's *Language and the Study of Language*. Intended for students of the classical, English, German or Romance languages.

4, 5. *Sanskrit, elementary*. Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Perry's *Primer*, Whitney's *Grammar*, Lanman's *Reader* begun. Adapted to students whose chief interest is found in the Germanic or classical literatures, and philology.

6, 8. *Sanskrit, advanced*. Three hours. First and Second Terms. Open to those who have completed 4 and 5, or an equivalent.

Lanman's *Reader* continued, selections from the Vedas.

7. *Seminary in Comparative Philology*. Third Term. Elective for Graduates. Not offered in 1897-98.

VII. GREEK LITERATURE AND HISTORY

PROFESSORS MANATT AND ALLINSON, MR. WHITAKER

1. *Lysias*. Three hours. *Greek Prose Composition*. One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

Lysias, select orations and practice in sight reading.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

2. *Plato*. Three hours. *Greek History*. One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato, the *Apology*, *Crito* and *Meno*, with other selections for sight reading. The fourth hour is devoted to illustrated historical lectures in connection with the reading of a standard work on Greek history.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

3. *Homer*. Three hours. *Greek Literature*. One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

Homer, the *Odyssey*, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archaeological research.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

4. *Attic Orators*. Three hours. First Term. Elective for Sophomores.

Select speeches of Antiphon, Andocides, and Isaeus (from Jebb's *Selections*) and the *Philippics* of Demosthenes; parallel reading, Jebb's *Attic Orators*, Brougham's *Dissertation on the Eloquence of the Ancients*, etc.

PROFESSOR MANATT

5. *Lucian and Aristophanes*. Three hours. Second Term. Elective for Sophomores.

Lucian's *Vera Historia*, Aristophanes's *Clouds*, rapid reading of other plays and of selections from Lucian.

PROFESSOR ALLINSON

6. *Greek Drama*. Three hours. Third Term. Elective for Sophomores.

Prometheus and Antigone, reading with the class from the text of several other plays; lectures on the Greek drama.

PROFESSOR ALLINSON

- 7, 8, 9. *Historians*. Three hours. Through the year. Elective for Juniors and Seniors who have completed 1-6 or equivalent work. Not offered in 1897-98.

Herodotus, Thucydides and Xenophon; parallel reading from Plutarch's Lives, outline sketch of Greek history down to the present day.

PROFESSOR MANATT

10. *Isaeus*. Three hours. First Term. Elective for students who have completed 1-6 or equivalent work. Not offered in 1897-98.

The extant speeches read and discussed in their bearings on Athenian family life and testamentary law; collateral reading, Jebb's Attic Orators.

PROFESSOR MANATT

11. *Demosthenes*. Three hours. Second Term. Elective as 10. Not offered in 1897-98.

Private Speeches, selected to illustrate the workings of Athenian institutions.

PROFESSOR MANATT

12. *Aeschines and Demosthenes*. Three hours. Third Term. Elective as 10. Not offered in 1897-98.

Speeches on the Crown; study of the Macedonian period and of Athenian political life.

PROFESSOR MANATT

13, 14, 15. *Homer*. Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1897-98.

The Odyssey, portions of the Iliad and the Hymns in the original, the remainder of the poems in translation.

PROFESSOR MANATT

16. *Plato and the Greek Drama*. Three hours. First Term. Elective for Juniors and Seniors.

The Antigone of Sophocles, the Agamemnon of Aeschylus, rapid reading of other plays. The Republic of Plato, Book X, the remainder in outline or rapid reading from the text.

PROFESSOR ALLINSON

17. *Greek Tragedy*. Three hours. Second Term. Elective for Juniors and Seniors.

Sophocles, the Ajax and the Electra in the original, the other plays interpreted by the instructor or read in English; history of the drama, archaeology of the Greek theatre.

PROFESSOR MANATT

18. *Greek Tragedy, continued*. Three hours. Third Term. Elective for Juniors and Seniors.

Euripides, the *Alcestis* and the *Iphigeneia in Aulis* (or the *Bacchae*) in the original, other plays interpreted to the class or read in English. For this may be substituted a course in Homer or Theocritus.

PROFESSOR MANATT

22, 23, 24. *Modern Greek*. One hour. Through the year. Elective for Sophomores, Juniors and Seniors. Not offered in 1897-98.

PROFESSOR MANATT

28, 29, 30. *Plato and Lucian*. Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1897-98.

PROFESSOR ALLINSON

43, 44. *Greek Composition, advanced*. One hour. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Practice in prepared and in extemporaneous writing of Greek. For those who intend to teach or otherwise to specialize in the classics.

PROFESSOR ALLINSON

25, 26. *Aristotle's Politics*. Two hours. First and Second Terms. Elective for Graduates and approved Seniors.

PROFESSOR MANATT

31, 32, 33. *Orators*. Two hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1897-98.

Antiphon, Andocides, Isaeus; Greek historical inscriptions.

PROFESSOR MANATT

34, 35, 36. *Greek Seminary*. One two hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term. (a) Interpretation of Theocritus; Second Term (b) Interpretation of Plato's Republic; Third Term (a) Interpretation of Pindar or Hesiod, alternating (b) with Bacchylides.

PROFESSOR MANATT (a) AND PROFESSOR ALLINSON (b)

40, 41, 42. *Homer and Mycenaean Archaeology*. Three hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1897-98.

PROFESSOR MANATT

VIII. ROMAN LITERATURE AND HISTORY

PROFESSOR HARKNESS, MESSRS. GREENE, SHIPPEE AND BICKNELL

1. *Livy*. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

MESSRS. GREENE AND SHIPPEE

NOTE: While grammatical study and literary criticism receive attention in this as in the other courses of the Freshman year, the special aim is to enable the student to acquire facility in reading and to instruct him in the use of the Latin texts as a means of acquiring a knowledge of the public and private life of the Romans.

2. *Cicero*. Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Letters; Cicero and his times.

MESSRS. GREENE AND SHIPPEE

3. *Tacitus*. Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Germania and Agricola; history of the Early Empire.

MESSRS. GREENE AND SHIPPEE

4. *Horace*. Three hours. First Term. Elective for Sophomores. Odes and Epodes, Ovid's lyrics; lectures on lyric poetry.

PROFESSOR HARKNESS AND MR. GREENE

NOTE: In this as in the other Sophomore courses, the literary side of the study is made prominent. A part of the time is occupied with a critical study of the poems, while a part is devoted to rapid reading with a view to comprehending the spirit of the authors. Lectures are given by the instructor, and literary topics are assigned to the class for special study.

5. *Catullus, Tibullus and Propertius*. Three hours. Second Term. Elective for Sophomores.

Lyric poetry continued.

PROFESSOR HARKNESS AND MR. GREENE

6. *Satires of Horace and Juvenal*. Three hours. Third Term. Elective for Sophomores.

PROFESSOR HARKNESS AND MR. GREENE

7. *Origin of Latin Poetry and Development of the Drama*. Three hours. First Term. Elective for Juniors and Seniors.

Readings from Plautus and Terence.

PROFESSOR HARKNESS

NOTE: The advanced courses open to Juniors and Seniors, relate to the development and history of Roman literature. Poetry and prose are discussed in alternate years. The aim of these courses is to give a connected and comprehensive view of the entire range of Roman literature. Comparatively little time is occupied with the formal work of recitation. Lectures are given on the lives and writings of the authors, and characteristic selections are read and discussed. Topics in literary history and criticism, adapted to individual tastes, are assigned to members of the class for special study and investigation.

8. *Poetry of the Republic, continued, and Poetry of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.

Readings from Lucretius and other authors of this period.

PROFESSOR HARKNESS

9. *Poetry of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.

PROFESSOR HARKNESS

11. *Prose of the Republican Period.* Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1897-98.

Development of oratory; readings from Specimens of Early Latin, from Cicero's Brutus, and from Quintilian.

PROFESSOR HARKNESS

12. *Prose of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1897-98.

Development of historical writing; readings from the historians.

PROFESSOR HARKNESS

13. *Prose of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1897-98.

Roman philosophers; readings from Seneca and from other authors of this period.

PROFESSOR HARKNESS

- 37, 38, 39. *Latin Composition.* One hour. Through the year. Elective for Sophomores, Juniors and Seniors.

PROFESSOR HARKNESS

- 10, 14, 15. *Private Life and Antiquities of Rome.* One hour. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

PROFESSOR HARKNESS

- 31, 32, 33. *Roman Architecture and Topography.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Illustrated by photographs, slides, etc.

PROFESSOR HARKNESS

16, 17, 18. *Pliny the Younger*. One hour. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

Letters; also selected passages of other authors illustrating the private life of the Romans.

PROFESSOR HARKNESS

19, 20, 21. *Seminary in Epigraphy*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates. Not offered in 1897-98.

Study of epigraphical alphabets, illustrated by Huebner's *Exempla Scripturae Epigraphicae Latinae*; introductory lectures preparatory to the investigation of special topics in the *Corpus Inscriptionum Latinarum*; investigation by the class of special questions relating to the Latin language and to Roman life.

PROFESSOR HARKNESS

22, 23, 24. *Seminary in Palaeography and Textual Criticism*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates. Not offered in 1897-98.

Lectures illustrated by fac-similes of manuscripts, critical study of authors with special reference to the manuscripts and to the establishment of the correct text.

PROFESSOR HARKNESS

25, 26, 27. *Seminary in Numismatics*. One hour. Through the year. Elective for Graduates.

Roman monetary system, study of Roman coins as illustrating Roman life, history and art, pictures and specimens of Roman coins.

PROFESSOR HARKNESS

28, 29, 30. *Seminary in Roman History*. One hour. Through the year. Elective for Graduates.

Investigation of special problems of Roman life and history from inscriptions and other original sources.

PROFESSOR HARKNESS

34, 35, 36. *Roman Provincial Administration*. Two hours. Through the year. Elective for Graduates.

Reading from Cicero's Orations against Verres.

PROFESSOR HARKNESS.

IX. ENGLISH LITERATURE AND LANGUAGE

PROFESSORS MANLY, BRONSON, SEARS AND LAMONT, MESSRS.
DODGE AND FROST, DR. SMALL.

10. *Anglo-Saxon*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Essentials of the grammar, reading of easy prose.

PROFESSOR MANLY; this year, DR. SMALL

11. *Anglo-Saxon*. Three hours. Second Term. Elective for students who have passed in 10.

Prose and poetry.

PROFESSOR MANLY; this year, DR. SMALL

12. *Anglo-Saxon*. Three hours. Third Term. Elective for students who have passed in 11.

Béowulf.

PROFESSOR MANLY; this year, DR. SMALL

13, 14, 15. *Oldest English Texts*. Three hours. Through the year. Elective for students who have passed in 12. Not offered in 1897-98.

Old English phonology and dialectology.

PROFESSOR MANLY

NOTE: Courses announced in groups are continuous; thus a student cannot take 14 without having taken 13, nor can he take 15 without having taken 13 and 14. The same principle applies to all courses similarly grouped. In all other instances prerequisites for admission to a course are specially announced.

24, 25, 26. *Middle English*. Three hours. Through the year. Elective for students who have passed in 12. Not offered in 1897-98.

Somewhat extensive reading.

PROFESSOR MANLY

27, 28. *Chaucer*. Three hours. First and Second Terms. Elective for Sophomores, Juniors and Seniors.

Work mainly linguistic, aiming to enable the student to read Chaucer intelligently.

PROFESSOR MANLY; this year, MR. FROST

39. *The History of the English Language*. Three hours. Third Term. Elective for students who have passed in 11 or 28.

PROFESSOR MANLY; this year, MR. FROST

1, 2, 3. *English Literature*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

General course, dealing with the greater poets and prose-writers from Spenser to Arnold. The aim is to cultivate the habit of thoughtful reading and the appreciation of literary form, and to give a general knowledge of the history of English literature.

PROFESSOR BRONSON

4, 5, 6. *Shakspeare*. Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1897-98.

May be taken two years in succession. Work chiefly linguistic and interpretative, some attention to the literary history and sources of the plays read.

PROFESSOR MANLY

34, 35, 36. *Shakspeare*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3 and who have also passed in or are taking 4, 5, 6. Not offered in 1897-98.

The plays as dramatic literature.

PROFESSOR BRONSON

60, 61, 62. *Shakspeare*. Three hours. Through the year. Elective for Juniors and Seniors.

The course covers in part the ground covered by 4, 5, 6, and 34, 35, 36 together.

MR. DODGE

56. *Spenser*. Three hours. First Term. Elective for students who have passed in 1, 2, 3.

MR. DODGE

57. *Bacon*. Three hours. Second Term. Elective for students who have passed in 1, 2, 3.

MR. DODGE

58. *Milton*. Three hours. Third Term. Elective for students who have passed in 1, 2, 3.

MR. DODGE

31, 32, 33. *English Literature from Dryden to Cowper, exclusive of the Novel*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Extensive reading in the greater authors. The method literary rather than historical.

MR. DODGE

18, 19, 37. *The English Novel*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Prose fiction from Sir Thomas Malory to George Eliot; chiefly the greater English novels of the eighteenth and nineteenth centuries. Students who cannot devote ten hours a week to reading should not elect the course.

PROFESSOR LAMONT

43, 44, 45. *English Poetry from Burns to Keats*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Not offered in 1897-98.

Interpretation and criticism of the greater poets of the period, some study of minor authors in their relation to the historical development of romanticism.

PROFESSOR BRONSON

46, 47, 48. *English Poetry of the Victorian Period*. Three hours. Through the year. Elective for students who have passed 1, 2, 3.

First Term, Tennyson; Second Term, Browning; Third Term, Arnold, Rossetti, Swinburne and other minor poets of the period.

PROFESSOR BRONSON

50, 51, 52. *English Essayists of the Nineteenth Century*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3 and Rhetoric 2, 3, 4.

PROFESSOR BRONSON

16, 17, 38. *American Literature*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

The entire field, from colonial times to the present.

PROFESSOR SEARS

X. RHETORIC AND ORATORY

PROFESSOR LAMONT, MESSRS. FOGG AND FROST, DR. SMALL, MESSRS.

BULLOCK AND WHEELER.

2, 3, 4. *Practical Rhetoric*. Three hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshman year. For Freshmen who do not elect 19, 20, 21, this course is increased to four hours.

PROFESSOR LAMONT AND ASSISTANTS

33, 34, 35. *Argumentative Composition*. One hour. Through the year. Required of all Juniors.

PROFESSOR LAMONT, DR. SMALL AND ASSISTANTS

16, 17, 18. *English Composition, advanced.* Three hours. Through the year. Elective for students who have passed in 2, 3, 4.

PROFESSOR LAMONT

27, 28, 29. *Oral Discussion.* Three hours. Through the year. Elective for sixteen students, preferably Graduates and Seniors who have attained high rank in English Composition, Political Economy, Social and Political Science and History, and for those who take or have taken 19, 20, 21.

Debates occupying two consecutive hours each week, to count as three hours.

PROFESSOR LAMONT AND MR. FOGG

19, 20, 21. *Public Speaking.* One hour. Through the year. Elective for Sophomores, and for Freshmen who are candidates for the Degree of Bachelor of Philosophy or Bachelor of Science.

Weekly exercises in declamation, individual training.

MR. FOGG

36, 37, 38. *Public Speaking, advanced course.* One hour. Through the year. Elective for Juniors.

Frequent declamations, individual training.

MR. FOGG

XI. GERMANIC LANGUAGES AND LITERATURES

PROFESSORS WILLIAMS AND CROWELL, DR. POOR

GERMAN

1. *Elementary Course.* Three hours. First Term. Required of all Sophomores who did not present German for entrance.

PROFESSOR CROWELL AND DR. POOR

2. *Intermediate Course.* Three hours. Second Term. Required of all Sophomores who did not present German for entrance.

Grammar, composition, conversation; selections from Goethe, Uhland, Schiller, Freytag, Benedix and Heyse.

PROFESSOR CROWELL AND DR. POOR

3. *Nineteenth Century Prose.* Three hours. Third Term. Required of all Sophomores who did not present German for entrance.

Reading at sight, grammar, composition, conversation.

PROFESSOR CROWELL AND DR. POOR

4. *Lessing*. Three hours. First Term. Elective for students who have passed in 1, 2, 3 and required of all who presented German for entrance.

Emilia Galotti, Minna von Barnhelm, Nathan der Weise; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

6. *Schiller*. Three hours. Second Term. Elective for students who have passed in 4 and required of all who presented German for entrance.

Jungfrau von Orleans, Balladen und Romanzen; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

8. *Goethe*. Three hours. Third Term. Elective for students who have passed in 6 and required of all who presented German for entrance.

Iphigenie auf Tauris, Die Leiden des jungen Werthers; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

46, 47, 48. *Goethe's Faust, Parts I and II*. Three hours. Through the year. Elective for students who have passed in 8.

Lectures, essays, original text read by students in class, bi-weekly written translations.

PROFESSOR WILLIAMS

16. *German Literature*. Three hours. First Term. Elective for students who have studied German not less than two years.

Klopstock, Lessing, Wieland, Herder; *Die Aufklärung, Der Göttinger Dichterbund, Die Sturm- und Drangperiode*.

PROFESSOR WILLIAMS

17. *German Literature*. Three hours. Second Term. Elective for students who have passed in 16.

Schiller.

PROFESSOR WILLIAMS

18. *German Literature*. Three hours. Third Term. Elective for students who have passed in 17.

Goethe.

PROFESSOR WILLIAMS

49, 41, 42. *Composition*. One hour. Through the year. Elective for students who have had at least one year of German.

PROFESSORS WILLIAMS AND CROWELL

10. *Middle High German*. Two hours. First Term. Elective for students who have had at least one year of German.

Grammar, *Das Nibelungenlied*.

PROFESSOR WILLIAMS

NOTE: This course, like the following courses in German and those in Gothic and Old Norse, is primarily for Graduates, but may be taken by qualified Undergraduates.

11. *Middle High German*. Two hours. Second Term. Elective for students who have passed in 10.

Walther von der Vogelweide.

PROFESSOR WILLIAMS

12. *Middle High German*. Two hours. Third Term. Elective for students who have passed in 11

The Court Epics, Hartmann von Aue's *Iwein* and *Der arme Heinrich*, Gottfried von Strassburg's *Tristan*, Wolfram von Eschenbach's *Parzival*.

PROFESSOR WILLIAMS

19, 20, 21. *Old High German*. One hour. Through the year. Elective for Graduates.

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*.

PROFESSOR WILLIAMS

34, 35, 36. *Germanic Philology*. Two hours. Through the year. Elective for Graduates.

PROFESSOR WILLIAMS

28, 29, 30. *Germanic Mythology*. One hour. Through the year. Elective for Graduates.

PROFESSOR WILLIAMS

GOTHIC

1, 2, 3. *Gotische Grammatik*. One hour. Through the year. Elective for Graduates.

Heine's *Stamm's Ulfilas*.

PROFESSOR WILLIAMS

OLD NORSE

1, 2, 3. *Introductory*. One hour. Through the year. Elective for Graduates.

Noreen's *Altnordische Grammatik*, Wilken's *Snorra Edda*.

DR. POOR

4, 5, 6. *Old Norse, advanced*. One hour. Through the year. Elective for Graduates.

Egilssaga, *Gunnlaugssaga*, Ari's *Islendingabók*; Old Norse literature.

DR. POOR

ROMANCE LANGUAGES AND LITERATURES

PROFESSOR LANGDON, MESSRS. JOHNSON AND MORSE

FRENCH

A, B, C. *Elementary French*. Three hours. Through the year. Required of all Sophomores who did not present French for admission.

Grammar, composition, dictation, translation into idiomatic English of selections from modern authors. The equivalent of the French required for admission.

MR. MORSE

1, 2, 3. *Language*. Three hours. Through the year. Required of all Freshmen who presented French for admission.

Rapid translation of modern authors, special study of unusual constructions and idioms. Intended to enable the students to read ordinary French at sight.

MESSRS. JOHNSON AND MORSE

4, 5, 6. *Literature*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Selected masterpieces of Corneille, Racine, Molière, Victor Hugo, Alfred de Musset, Balzac, Daudet, and Zola, read in the original, only difficult constructions and rare words being translated; attention to the principal literary features of the works read.

PROFESSOR LANGDON

13, 14, 15. *Practice in Writing and Speaking*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Complementary to 4, 5, 6.

MR. JOHNSON

28, 29, 30. *Literature, advanced*. Three hours. Through the year. Elective for students who have passed with credit in 4, 5, 6 and 13, 14, 15. Not offered in 1897-98.

Study of the principal authors of the classical, romantic and realistic schools, in connection with Lauson's *Histoire de la Littérature Française*; weekly reports on assigned collateral reading. This course is intended only for those who have acquired the ability to read rapidly. The department library is at the disposal of the class.

PROFESSOR LANGDON

34, 35, 36. *Old French and Provençal*. Three hours. Through the year. Elective for Seniors and Graduates.

Introductory course in Romance Philology and in the literature of the middle ages in France; special field of study arranged in accordance with the needs of those who elect the course.

PROFESSOR LANGDON

ITALIAN

1, 2, 3. *Modern Italian*. Three hours. Through the year. Elective for Juniors or for Sophomores not electing more than one other modern foreign language.

Grammar, composition and rapid reading. Ability to read Italian at sight can be acquired by those who are proficient in Latin and French.

MR. JOHNSON

10, 11, 12. *Fourteenth Century Classics*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3. Not offered in 1897-98.

The whole of Dante's *Divina Commedia* translated; also such selections from the *Rime* of Petrarca, and the *Decamerone* of Boccaccio as time will permit.

PROFESSOR LANGDON

7, 8, 9. *Dante in English*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

The whole of the *Divina Commedia* in English, one third of the time being devoted to a study of the poem in the light of the great world-poems, Job, the Odyssey, the Aeneid, Paradise Lost, Faust and the Ring and the Book. An introduction to a study of comparative literature by means of translations. As a survey of the greatest monuments of literature from the point of view of the most universal and central of all, this course is valuable to students who cannot study many literatures in the original, and who yet desire some acquaintance with what is best in the poetic culture of the world.

PROFESSOR LANGDON

19, 20, 21. *Sixteenth Century Classics*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Ariosto's *Orlando Furioso*, Tasso's *La Gerusalemme Liberata*, and Machiavelli's *Il Principe*.

PROFESSOR LANGDON

SPANISH

1, 2, 3. *Modern Spanish*. Three hours. Through the year. Elective for Juniors, or for Sophomores not electing more than one other modern foreign language.

Grammar, composition and rapid reading. The third term will be given to selections from Cervantes's *Don Quixote*.

PROFESSOR LANGDON

XIII. BIBLICAL LITERATURE AND HISTORY

PROFESSOR KENT, MESSRS. BLAUSTEIN AND REES

HEBREW

1. *Elementary Hebrew*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Harper's Manual and Elements.

PROFESSOR KENT AND MR. REES

2. *Elementary Hebrew, continued*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Reading of Genesis iii-viii. Translation of English into Hebrew.

PROFESSOR KENT AND MR. REES

3. *Historical Hebrew*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates, who have passed in 1 and 2.

Especial attention to translating at sight. Isaiah xl-lxvi and the Psalter studied from the exegetical and the historical point of view. Reading in the original of passages selected from the book of Samuel, with a study of Hebrew syntax and textual criticism. Driver's Notes.

PROFESSOR KENT AND MR. REES

4. *Isaiah xl-lxvi*. Three hours. First Term. Elective for Juniors, Seniors and Graduates who have passed in 1 and 2. Not offered in 1897-98.

Critical translation and interpretation in the light of the historical background.

PROFESSOR KENT

9, 10. *Book of Psalms*. One hour. First and Second Terms. Elective for Juniors, Seniors and Graduates who have passed in 1 and 2.

Critical translation and analysis as a basis for the study of Hebrew poetry and devotional literature.

PROFESSOR KENT

ARAMAIC

1, 2. *Biblical Aramaic*. Two hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Translation of the Aramaic portions of Daniel and Ezra.

MR. BLAUSTEIN

SYRIAC

1. *Elementary Syriac*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Wilson's Manual.

PROFESSOR KENT AND MR. BLAUSTEIN

ASSYRIAN

1, 2. *Elementary Assyrian*. Two hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Lyon's Manual.

PROFESSOR KENT AND MR. BLAUSTEIN

3. *Historical Assyrian*. Two hours. Third Term. Elective for Juniors, Seniors and Graduates.

Delitzch's Assyrian Grammar and Abel and Winckler's Keilschrifttexte.

PROFESSOR KENT AND MR. BLAUSTEIN

4, 5, 6. *Assyrian Seminary*. Once a week. Through the year. Open only to advanced Semitic students.

Rapid reading of historical and religious inscriptions.

PROFESSOR KENT

NEW TESTAMENT LANGUAGE AND LITERATURE

1. *Gospel of Mark*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

A knowledge of Greek equivalent at least to the work of one college year is required. Critical translation; study of linguistic peculiarities; text criticism.

PROFESSOR KENT

2. *Gospel of Luke*. Three hours. First Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

PROFESSOR KENT

3. *Paul's Corinthian Epistles*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

Rapid reading; analysis of thought; study of Pauline teaching.
PROFESSOR KENT

5. *Gospel of John*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

Critical translation; study of characteristics, aim, teachings and the question of date and authorship.

PROFESSOR KENT

6. *Gospel of Matthew*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Rapid reading; analysis and translation in the light of history.
PROFESSOR KENT

7. *Book of Acts*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Interpretation; analysis of structure.

PROFESSOR KENT

BIBLICAL LITERATURE IN ENGLISH

1, 2. *History and Literature of the Jewish People*. Three hours. First and Second Terms. Elective for Sophomores, Juniors and Seniors.

From the Babylonian exile to the Conquest by the Romans.

PROFESSOR KENT

NOTE: These Courses, 1-6, are for general students as well as for those intending special Biblical work. They are not repeated in successive years, but form a two years' consecutive course, giving a comprehensive view of the entire field of Biblical history. The sources, Biblical and monumental, for each epoch, are studied; then the political, social and religious life and development. The date and authorship of books and the various other questions of literary history for each period are examined, and the teachings of the several documents drawn out and formulated.

3. *History of New Testament Times*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

Investigation of political, social and religious conditions in Palestine at the beginning of the Christian era.

PROFESSOR KENT

4, 5, 6. *Hebrew History and Literature*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors. To be offered in 1898-99 as the complement of 1, 2, 3.

From the earliest period to the exile. Study of the political, social and religious life of the Hebrew people in the light of the Bible and the monuments. Especial attention given to the work of the prophets and the wise men. Analysis and interpretation of the pre-exilic Old Testament books in connection with their historical background. Kent's History of the Hebrew People, Vol. I, II.

PROFESSOR KENT

Biblical Research Club. A Biblical Research Club, including graduate and undergraduate students interested in the work of the department, has been formed to investigate special Biblical subjects and to promote a more general and intelligent interest in the study of the literature and history of the Bible. The club meets once a month for the review of new books and current literature, reading of papers and free discussion. Arrangements are also made for special addresses before the club.

XIV. PURE MATHEMATICS

PROFESSORS CLARKE, DAVIS AND MANNING, MESSRS. SLOCUM,
KENERSON AND REUTERDAHL

1. *Geometry, Solid and Spherical.* Five hours. First Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, MESSRS. SLOCUM, KENERSON AND
REUTERDAHL

3. *Algebra.* Five hours. Second Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer, or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, MESSRS. SLOCUM, KENERSON AND
REUTERDAHL

2. *Trigonometry, Plane and Spherical.* Five hours. Third Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, MESSRS. SLOCUM, KENERSON AND
REUTERDAHL

4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

PROFESSOR MANNING

5. *Algebra.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

PROFESSOR MANNING

6. *Algebra*. Two hours. Second Term. Required of candidates for the degree of Bachelor of Science.

A continuation of 5.

7. *Algebra*. Two hours. Third Term. Required of candidates for the degree of Bachelor of Science.

A continuation of 6.

PROFESSOR MANNING

8. *Determinants and Theory of Equations*. Three hours. Third Term. Elective for students who have passed in 3, or 5, 6, 7.

PROFESSOR MANNING

9. *Analytic Geometry*. Three hours. First Term. Elective for students who have passed in 1, 2 and 3; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

10. *Analytic Geometry*. Three hours. Second Term. Elective for students who have passed in 9; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

11. *Modern Methods in Analytic Geometry*. Three hours. Third Term. Elective for students who have passed in 10. Offered in 1897-98 and in alternate years.

PROFESSOR MANNING

30. *Solid Analytic Geometry*. Three hours. Third Term. Elective for students who have passed in 10. Offered in alternate years; not offered in 1897-98.

PROFESSOR MANNING

12. *Differential Calculus*. Three hours. Third Term. Elective for students who have passed in 9 and 10; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

13. *Integral Calculus*. Three hours. First Term. Elective for students who have passed in 12; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

14. *Applications of the Calculus*. Three hours. Second Term. Elective for students who have passed in 12 and 13; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

15. *Differential Equations*. Three hours. First Term. Elective for students who have passed in 13.

PROFESSOR MANNING

16. *Differential Equations* Three hours. Second Term. Elective for students who have passed in 15.

PROFESSOR MANNING

18, 19, 20. *Modern Algebra, Higher Plane Curves and Surfaces.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16 and 30.

Based upon the works of Salmon, Clebsch and Darboux.

PROFESSOR MANNING

NOTE: Courses 18, 19, 20 alternate with 21, 22, 23.

21, 22, 23. *Theory of Functions.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16. Not offered in 1897-98.

PROFESSOR MANNING

24, 25, 26. *Differential Equations, advanced.* Three hours. Through the year. Elective for Graduates who have taken 23.

Based upon the works of Craig, Jordan, Picard and Goursat.

PROFESSOR MANNING

NOTE: Courses 24, 25, 26 alternate with 27, 28, 29.

27, 28, 29. *Substitutions and Transformation Groups.* Three hours. Through the year. Elective for Graduates. Not offered in 1897-98.

PROFESSOR MANNING

XV. DRAWING

PROFESSORS RANDALL AND BURNHAM, MESSRS. ISHAM AND
KENERSON

1. *Elementary Mechanical Drawing.* Four hours. First Term. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy.

Eight hours of drawing. Nature, care and use of drawing instruments; elements of orthographic and isometric projection. Largely mathematical; demanding original investigation and accurate execution.

PROFESSOR RANDALL

16. *Elementary Mechanical Drawing.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Six hours of drawing. Similar to 1. Primarily for candidates for the degree of Bachelor of Arts.

PROFESSOR RANDALL

5, 6. *Descriptive Geometry*. Four hours. Second and Third Terms. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and have passed in 1.

Three hours of recitation and two hours of drawing. Theory of orthographic and scenographic projection, discussion and proof of theoretical and practical problems, presentation of principles most needed in handling the complicated problems of engineering.

PROFESSOR RANDALL

17, 18. *Descriptive Geometry*. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed in 1 or 16.

Two hours of recitation and two hours of drawing. Similar to 5 and 6. A continuation of 16.

PROFESSOR RANDALL

7. *Shades and Shadows and Perspective*. Three hours. First Term. Required of candidates for the degree of Civil Engineer or Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Two hours of recitation and two hours of drawing. Derivation and proof of theoretical and practical formulae. Based on descriptive geometry, largely mathematical.

PROFESSOR RANDALL

8. *Elementary Machine Drawing*. Three hours. Second term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Six hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

PROFESSOR RANDALL

9. *Gearing*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing-room, of illustrative problems.

PROFESSOR BURNHAM

10, 11. *Machine Drawing, advanced*. Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 8 and 9.

Six hours of drawing. Sketches, detail and assembly drawings of complicated machines.

PROFESSOR BURNHAM

12. *Elements of Machine Design*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

PROFESSOR BURNHAM

27, 28. *Machine Design, advanced*. Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

Six hours of drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

PROFESSOR BURNHAM

15. *Constructive Geometry*. Three hours. First Term. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

PROFESSOR RANDALL

13. *Constructive Geometry*. Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

PROFESSOR RANDALL

19. *Mechanical Drawing*. Three hours. Second Term. Elective for students who have passed in 16.

Six hours of drawing. Graphical solution of advanced plane and solid geometrical problems, advanced practical orthographic and isometric projection. For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry.

PROFESSOR RANDALL

20. *Mechanical Drawing, continued*. Three hours. Third Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

PROFESSOR RANDALL

29, 30, 31. *Lettering*. One hour. Through the year. Required of Freshmen who are candidates for the degree of Civil Engineer.

Two hours of drawing.

PROFESSOR HILL

2, 3, 4. *Freehand Drawing*. One hour. Through the year. Elective for all students.

Two hours of drawing.

MR. ISHAM

XVI. CIVIL ENGINEERING

PROFESSOR HILL

1, 2, 3. *Surveying*. Three hours. Through the year. Elective for students who have passed in Mathematics 1, 2 and 3 and in Drawing 1 or 16.

Elementary course in land surveying; use of tape, compass, level and transit; adjustment of instruments. Lectures, recitations, field work and drawing.

NOTE: All courses in this department are required of candidates for the degree of Civil Engineer; all except 4 are elective for other students.

4. *Topographical Drawing*. Three hours. Second Term.

Pen and colored topography, conventional signs for maps. Lectures and drawing.

8. *Surveying, advanced*. Six hours. Third Term. Elective for students who have passed in 1 and 2.

Topography and hydrography, city surveying; use of stadia, plane table, sextant and barometer; precise base-line measurements with steel tape. Methods as in 1, 2, 3.

5, 6, 7. *Railroad Engineering*. Six, three and three hours. First Second and Third Terms. Elective for students who have passed in 3, 4 and 8.

Theory, location, construction and economics. Methods as in 1, 2, 3.

10, 11. *Hydraulic Engineering*. Three hours. Second and Third Terms. Elective for students who have passed in Mathematics 13 and Mechanics 4.

Supplements the courses in Mechanical Engineering 7 and 8, which give the theoretical treatment of the subject. Water supply, irrigation, pumps and pumping machinery. Lectures, recitations and seminary work.

12, 13, 14. *Framed Structures*. Three, six and six hours. Third, First and Second Terms. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 1 or 16.

Calculation of stresses in roofs and bridges by graphical and analytical methods, structural details, bridge and roof design. Lectures, recitations and drawing.

15. *Masonry*. Three hours. Second Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Calculation of stresses in, and design of, arches, retaining walls and dams; materials of construction. Lectures, recitations and drawing.

16. *Geodesy*. Three hours. Second Term. Elective for students who have passed in 3 and 8 and Astronomy 4.

Problems in geodetic surveying. Lectures and computations.

17. *Sanitary Engineering*. Three hours. Third Term. Elective as 15.

Sewerage and house drainage. Lectures, recitations and seminary work.

18. *Roads and Pavements*. Three hours. Third Term. Elective as 15. Lectures, recitations and seminary work.

19, 20, 21. *Laboratory Investigations*. Three hours. Through the year. Elective as 15.

Use and adjustment of instruments, testing materials, stereotomy.

NOTE: For 1897-98 students in Civil Engineering will take Mechanical Engineering 6 and 7 in place of Civil Engineering 19 and 20.

XVII. MECHANICAL ENGINEERING

PROFESSORS CLARKE AND BURNHAM, MESSRS. KENERSON, LESTER AND STARK

1. *Kinematics*. Three hours. First Term. Elective for students who have passed in Drawing 5, 6, or 17, 18.

Description of the mechanical devices used in machines, with the presentation and proof of the mathematical laws governing the motion of their parts. Stahl and Woods's Elements of Mechanism; recitations, graphical and analytical solution of problems.

PROFESSOR BURNHAM

9. *Thermo-dynamics of the Steam Engine*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Physics 1, 2, 4 and in Mathematics 12, 13 and 14.

Derivation of general thermo-dynamic equations and special forms applying to perfect gases and to saturated and superheated vapors. Peabody's Thermo-dynamics of the Steam Engine supplemented by lectures, recitations and solution of problems especially bearing upon heat-engines.

PROFESSOR BURNHAM

3, 4, 5. *Steam Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 9.

Principles of heat engines and generators, and methods of testing. Lectures, recitations and laboratory work.

PROFESSOR BURNHAM AND MR. KENERSON

6, 7, 8. *Materials of Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanics 3, 4, 6.

Lectures on the sources, manufacture and properties of important materials used in engineering; laboratory tests on the strength of materials.

PROFESSOR BURNHAM AND MR. KENERSON

10, 11, 12. *Wood-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry, wood-turning and Pattern-work. These courses may be begun in any term.

MR. LESTER

NOTE: Though courses 10 to 18 are all open to Sophomores, Juniors and Seniors, no more than two of them can be counted towards the degree of Bachelor of Arts, Bachelor of Philosophy or Bachelor of Science.

13, 14, 15, 16. *Metal-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing, and work with the engine-lathe, planer, shaper, milling-machine, vertical drill and surface-grinder. These courses may be begun in any term. See note under 10, 11, 12.

MR. STARK

17. *Wood-work*. Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry and wood-turning. Intended for students who wish to take only one term of wood-work. See note under 10, 11, 12.

MR. LESTER

18. *Metal-work*. Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing and lathe-work. Intended for students who wish to take only one term of metal-work. See note under 10, 11, 12.

MR. STARK

Thesis. A graduation thesis is required of all students who are candidates for the degree of Mechanical Engineer. It may be based either on extended independent study, on original experiments by the student, or on an original design of some complicated machine. In any case it must exhibit satisfactory ability in the student as an engineer.

MECHANICS

3, 4, 6. *Mechanics of Solids*. Three hours. Through the year. Elective for students who have passed in Mathematics 9, 10 and 12, and who are taking Mathematics 13.

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials including tension, compression, shearing, torsion, flexure, arches and graphics. Care is taken that a clear understanding is gained of all the steps in the deduction of formulae, that the student may be able to produce original forms or to modify those already in use to meet particular cases. Practice in the application of principles is had in the solution of original problems.

PROFESSOR CLARKE; this year, PROFESSOR RANDALL

7, 8. *Mechanics of Fluids*. Three hours. First and Second Terms. Elective for students who have passed in 3, 4, 6.

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrostatics of gases; hydrodynamics, including steady flow, impulse and resistance.

PROFESSOR CLARKE; this year, PROFESSOR RANDALL

XVIII. ASTRONOMY

PROFESSOR UPTON

1. *General Astronomy*. Three hours. First Term. Elective for Juniors and Seniors.

Fundamental conceptions of the science, methods of professional study and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics.

2, 6. *General Astronomy, continued.* Three hours. Second and Third Terms. Elective for students who have passed in 1.

3, 4. *Practical Astronomy.* Three hours. Second and Third Terms. Elective for students who have passed in 1.

The application of astronomy to geodesy and navigation; use of the sextant, transit and zenith telescope for determining time, latitude and longitude.

8, 9, 10. *Practical Astronomy, advanced.* Three hours. Through the year. Elective for those who have shown special aptitude in 3, 4.

Further study of geodetic applications of astronomy; method of least squares. Doolittle's *Practical Astronomy*, with instrumental observations.

14, 15, 16. *Mathematical Astronomy.* Three hours. Through the year. Elective for Graduates.

The mathematical theory of planetary and cometary orbits; micrometer observations and calculation of orbits.

XIX. PHYSICS

PROFESSORS BARUS AND PALMER, MR. WATSON

1, 2, 4. *Elementary Physics.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, molecular physics and heat; Third Term, electricity alternating with light. Daniell's *Principles of Physics*, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors, serve as models for the term examinations. This course is designed for those who have had little previous training in Physics, and presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics.

PROFESSOR BARUS

32. *Optics and Acoustics.* Three hours. Third Term. Elective for Juniors and Seniors who have passed in 1, 2.

Lectures on the elementary principles of optics and acoustics.

PROFESSOR BARUS

NOTE: This course alternates with 4.

5, 9, 10. *Physical Laboratory.* Three hours. Through the year. Elective for students who have passed in 1, 2, 4.

Six hours of attendance. Quantitative experiments performed by the student, in order to make him thoroughly familiar with physical apparatus and the scientific methods of exact measurement. Written reports of each experiment are required and are marked on the basis of neatness and accuracy.

PROFESSOR PALMER

11. *Electrical Engineering*. Three hours. First Term. Elective for students who have passed in 10 and Mathematics 12.

Fundamental principles developed, physical theory and technical construction of continuous current dynamo electric machinery considered, problems involving actual working conditions frequently assigned.

MR. WATSON

12. *Electrical Engineering, continued*. Three hours. Second Term. Elective for students who have passed in 11.

Mathematical treatment more fully developed with particular reference to alternating currents, design and construction of alternating current machinery in detail.

MR. WATSON

15. *Electrical Engineering*. Three hours. Third Term. Elective for students who have passed in 11 and 12.

Laboratory course, six hours of attendance. Opportunity to acquire familiarity with the operation of dynamos, practical tests of various types and sizes of standard machines; methods of measurements of currents, electromotive forces, magnetic permeability and flux.

MR. WATSON

13, 14, 16. *Mathematical Treatment of Dynamical Problems*. Three hours. Through the year. Elective for Seniors and Graduates who have passed in 10 and Mathematics 16. Not offered in 1897-98.

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion; Second and Third Terms, application of their principles to special problems in thermo-dynamics and hydrodynamics.

PROFESSOR PALMER

17, 18, 19. *Laboratory Course, advanced*. Three hours. Through the year. Elective for students who have passed in 10.

Six hours of attendance. For those who are already familiar with the use of physical apparatus and are capable of carrying on investigations more or less independently. Special problems assigned to each student, and reference to original sources for methods

of solution. Care taken to develop accuracy of observation, and neatness and clearness in the written reports of experiments.

PROFESSORS BARUS AND PALMER AND MR. WATSON

20, 21. *Harmonic Analysis*. Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 2, 4 and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

PROFESSOR BARUS

22. *Behavior of Matter through Long Ranges of Temperature*. Elective for Graduates.

Original research. Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust.

PROFESSOR BARUS

NOTE: Courses 22-25, inclusive, occupy more or less time per week according to the requirements of students. These courses are definitely organized, and the apparatus for conducting them is at hand. Other courses of original research are offered to suit the special needs or training of advanced students. The order of interchange between 13, 14, 16, and 26, 27, 28, and between 20, 21, and 29, 30, 31, is not fixed. The preference of the applicants for instruction will be regarded in determining which shall be given.

23. *Behavior of Matter through Long Ranges of High Pressure*. Elective for Graduates.

* Original research. Thermo-dynamics of the change of state from solid to liquid, due either to fusion or to solution, investigated with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature.

PROFESSOR BARUS

24. *Absolute Viscosity of Solids as Compared with Liquids and Gases*. Elective for Graduates.

Original research. Investigation of absolute data for the viscosity of solids.

PROFESSOR BARUS

25. *Physical Properties of the Iron Carburets*. Elective for Graduates.

Original research. Physical properties of iron, steel and cast iron considered with reference to their bearing on metallurgical and electro-technical problems.

PROFESSOR BARUS

26, 27, 28. *Mathematical Theory of Electricity and Magnetism*. Three hours. Through the year. Elective for Graduates and Seniors who have passed in 10 and Mathematics 16.

Lectures. The mathematical theory of electricity and magnetism is developed, and the more important problems of electrical science are discussed from the standpoint of Maxwell's Treatise.

PROFESSOR PALMER

NOTE: This course alternates with 13, 14, 16.

29, 30, 31. *Physics, advanced*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13, 14.

Lectures on dynamics, potential, elastics, hydro-statics, hydro-dynamics, viscosity, capillarity, electro-statics, magnetism, electro-magnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics and thermo-dynamics. Completed in two years. Alternating, if desirable, with courses 20, 21.

PROFESSOR BARUS

NOTE: Candidates for the degree of Master of Arts with a major in physics, will be held responsible for at least one of the advanced courses in theoretical physics. The requirements for students *in absentia* with a minor in physics are quite as advanced as for students in residence with a major in physics. The department is able to offer every reasonable facility both for research work and for the study of the higher problems in physics; it is not able to offer much encouragement to those wishing to take degrees *in absentia*.

XX. CHEMISTRY

PROFESSOR APPLETON, MESSRS. CALDER, SMITH AND WILSON

1. *Descriptive Chemistry*. Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

2. *Descriptive Chemistry*. Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, their chemical compounds, and their practical applications; chemical philosophy continued. Methods as in 1.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

3. *Descriptive Chemistry*. Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

4, 5. *Qualitative Analysis*. Three hours. First and Second Terms. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements together with their separation from certain of their compounds, also a study of the chief non-metals and the acids produced by them. These courses are chiefly laboratory courses; but they include also recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

PROFESSOR APPLETON AND MR. WILSON

6. *Quantitative Analysis*. Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance; the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.; studies in chemical philosophy and stoichiometry continued. Chiefly a laboratory course.

PROFESSOR APPLETON AND MR. WILSON

7, 8, 9. *Quantitative Analysis, advanced*. Six hours. Through the year.

Twelve hours of attendance. The assaying of metallic ores, analysis of agricultural materials, including commercial fertilizers, the testing of chemicals used in textile establishments, etc.

PROFESSOR APPLETON AND MR. WILSON

NOTE: Courses 7-20 are elective for students who have passed in 1-6.

10, 11, 12. *Organic Chemistry*. Six hours. Through the year

Twelve hours of attendance. An extended series of exercises in the preparation and testing of organic compounds, so selected as fairly to represent the different branches of this important department.

PROFESSOR APPLETON AND MR. WILSON

13, 14. *Assaying*. Six hours. Second and Third Terms.

Twelve hours of attendance.

PROFESSOR APPLETON AND MR. SMITH

- 17, 18. *Agricultural Chemistry*. Six hours. Second and Third Terms.

Twelve hours of attendance.

PROFESSOR APPLETON AND MR. WILSON

- 20 *The Scouring and Dyeing of Wool*. Six hours. Third Term.

Twelve hours of attendance. The cleansing of wool in the fleece, removal of burrs, preparation and use of the necessary mordants, dye-stuffs, etc.

PROFESSOR APPLETON AND MR. WILSON

XXI. ZOÖLOGY, GEOLOGY, AND ANTHROPOLOGY

PROFESSOR PACKARD AND MR. GORHAM

ZOÖLOGY

- 1, 2. *General Course*. Three hours. Second and Third Terms. Elective for Juniors and Seniors.

Principles of zoölogy, laws of animal morphology, development of the animal kingdom from monad to man, relations of animals to the world about them and to man, heredity, hybridity, variation of species, views now held by different schools of evolutionists. Text-book, lectures, demonstrations.

PROFESSOR PACKARD

GEOLOGY

- 1, 2. *General Course*. Three hours. First and Second Terms. Elective for Seniors.

Especial attention to the geology, economic and structural, of Rhode Island; elementary mineralogy and lithology. Lectures, laboratory work, field excursions, studies of models in wood and plaster.

PROFESSOR PACKARD

3. *Economic Geology*. Three hours. Third Term. Elective for Seniors.

Common rock and vein-forming minerals, useful minerals, ore-deposits and ores, building stones and road materials. Text-book and lectures. Adapted to the needs of students in Civil Engineering.

MR. GORHAM

ANTHROPOLOGY

1. *General Course.* Three hours. Third Term. Elective for Seniors and Graduates.

The principles of ethnology, ethnography and prehistoric archaeology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements; primitive culture, including folk-lore, myths, primitive religious cults, and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

PROFESSOR PACKARD

XXII. COMPARATIVE ANATOMY

PROFESSORS BUMPUS AND MEAD, MESSRS. GORHAM AND TOWER,
DR. PERKINS, MISS WING

15, 1. *Practical Vertebrate Dissection.* Four hours. First and Second Terms. Elective for Undergraduates.

Six hours of attendance. Course 15 is based upon the dissection of the frog, and course 1 upon the dissection of the cat. For those who desire a general knowledge of anatomy and physiology.

MR. GORHAM

NOTE: Courses 15 and 1 are introductory and must be taken before the more advanced work.

2 *Invertebrate Dissection.* Four hours. Third Term. Elective for students who have passed in 15 and 1.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

PROFESSOR BUMPUS

3, 4. *Comparative Anatomy of Vertebrates.* Three hours. First and Second Terms. Elective for Sophomores and others who have passed with credit in 15, 1 and 2.

Five hours of attendance. Critical and comparative study of the vertebrate organs, special attention to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others who have given attention to certain special subjects. Students of exceptional ability are permitted to attend the clinics at the Rhode Island Hospital.

PROFESSOR BUMPUS

10. *Normal Histology and Micro-Technique*. Three hours. Third Term. Elective for Sophomores and others who have passed with credit in 3 and 4.

Six hours of attendance.

MR. GORHAM

16, 17. *Anatomy of the Nervous System*. Three hours. First and Second Terms. Elective for Juniors and Seniors who have passed with credit in 3 and 4.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates and more especially in man; attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

PROFESSOR MEAD

18, 19, 20, 21. *Physiology*. Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 4.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

MR. TOWER

9. *Bacteriology*. Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

MR. GORHAM

8. *Comparative Embryology*. Three hours. Third Term. Elective for Juniors and for Seniors who have passed with credit in 3, 4 or 16, 17.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ-formation, etc.

PROFESSOR MEAD

COURSES AT THE WOMEN'S COLLEGE

The following courses are offered only to students of the Women's College.

15w, 1w, 2w. *Introductory Biology*. Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and for Sophomores, Juniors and Seniors.

Six hours of attendance. A prerequisite to other courses in the department. Anatomy, physiology and hygiene; the gross and minute anatomy of the human body; the functions of the nervous, respiratory, digestive, circulatory, secretory, excretory, and reproductive systems; dissection of the frog and the cat; laboratory work supplemented by the use of anatomical preparations of the human body; incidental training in the use of the microscope and other laboratory apparatus.

MISS WING

22w, 23w, 24w. *Hygiene and Home Sanitation*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors who have passed in 15w, 1w, 2w.

Chemistry, digestion and economics of food; impurities of air and water; relation of bacteria to health and disease; disinfection and the restriction of communicable diseases; emergencies and home nursing. Situation, drainage, plumbing, heating, lighting and ventilation of houses and other questions of home sanitation; visits to certain hospitals, and lectures and demonstrations by nurses and physicians.

MISS WING

XXIII. BOTANY

PROFESSOR BAILEY, MESSRS. COLLINS AND METCALF

1, 2, 3. *Vegetable Morphology, Physiology, and Economic Botany*. Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy; elective for Sophomores as a three hour course.

First Term, study of the phænogams from seed to inflorescence; Second Term, careful consideration of flower, collateral reading, essay writing; Third Term, fruit and seed, collection and preservation, essays, practical work, herbarium study.

PROFESSOR BAILEY AND MR. METCALF

4, 5, 6. *Histology and Embryology of Phaenogams*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Four hours of attendance. First Term, study of vegetable cell, special reference to inclusions; Second Term, tissues, with special reference to the growth of woody stems; Third Term, early embryology of some phaenogams, special attention to methods of micro-technique.

MR. METCALF

7, 8. *Structure and Development of Cryptogams.* Three hours. First and Second Terms. Elective for students who have passed in 6.

Four hours of attendance. First Term, types of the algae; Second Term, types of the fungi. Particular attention to collection and to systematic work.

MR. METCALF

12. *Study of the Higher Cryptogams.* Three hours. Third Term. Elective for students who have passed in 8.

Four hours of attendance. Bryophytes and pteridophytes, mosses, hepaticae, club-mosses, horse-tails and ferns.

PROFESSOR BAILEY AND MR. COLLINS

13. *Taxonomy of Phaenogams.* Three hours. Second Term. Elective for students who have passed in 3.

The principles of general and special classification, a study of the more difficult families, laboratory practice in arrangement of natural groups.

PROFESSOR BAILEY

14. *Medical Botany.* Three hours. Third Term. Elective for students who have passed in 5.

Chemical and medical constituents of plants; their production, location in the plant, storage; manufacturing processes; chemical and microscopical characteristics of the more common drugs.

PROFESSOR BAILEY AND MR. METCALF

XXIV. MILITARY SCIENCE AND TACTICS

PROFESSOR MURRAY

1, 2, 3. *Practical Exercises.* Two hours. First and Third Terms. One hour. Second Term. Required of first year students; elective for Sophomores, Juniors, and Seniors.

Infantry and artillery drill and target practice. Each student is required to provide himself with the University uniform, blouse, trousers, cap and gloves, which are provided by the University at a cost not exceeding twelve dollars. The arms, equipment and ammunition are supplied by the United States Government.

4, 5, 6. *Systematic and Progressive Instruction*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Two hours devoted to practical application of theory. Drill regulations, army regulations, preparation of reports and returns, organization of the United States army, elements of military science, military hygiene, military law and signalling. On graduation the names of distinguished students are reported to the Adjutant-General of the United States army and to the Adjutant-General of Rhode Island, and are also inserted in the Army Register and published in general orders.

XXV. BOOKS AND LIBRARIES

MR. KOOPMAN

1. *Books and Libraries*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Historical bibliography, manuscripts, printing, publishing, book-selling, practical authorship, reading and its methods; libraries, their history, place in education, chief problems, management and use. Lectures by the instructor, oral reports and written discussions by the students. Designed for all users of libraries as well as for those intending to make library work a profession.

COURSES PREPARATORY TO PROFESSIONAL STUDIES

Since the number of elective studies has become large, students for the ministry, the law, medicine or journalism are not infrequently at a loss to know which branches they ought to choose. To aid such students the following groups of courses are suggested. Competent students who complete these courses with special thoroughness are sometimes able to save a year in professional schools. Besides serving candidates for degrees, these lists will afford direction to students for the professions who may be obliged to limit their collegiate preparation to one, two or three years. No degrees are awarded at the completion of such shorter courses, but certificates of attainment are furnished when desired.

PREPARATORY TO THE STUDY OF THEOLOGY

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 43.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
Rhetoric 19	Rhetoric 20	Rhetoric 21
German 1 or French A	German 2 or French B	German 3 or French C
Greek 4	Greek 5	Greek 6
English 1	English 2	English 3
Physics 1 or Botany 1	Physics 2 or Botany 2	Physics 4 or Botany 3

Latin or French may be substituted for Greek. Chemistry may also be taken here, and followed in the third year by Astronomy. A course in the Semitic tongues may be begun at this point, to continue one, two or three years, displacing studies regarded as less important. Other courses in English may, for qualified pupils, be preferable to 1, 2, 3.

THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Hebrew 1	Hebrew 2	Hebrew 3
Philosophy 2 and 36	Philosophy 3 and 37	Philosophy 19 and 38
English 43 or 31	English 44 or 32	English 45 or 33
Political Economy 1	Political Economy 2	Political Economy 3
History 1	History 2	History 3 or 11
Rhetoric 33	Rhetoric 34	Rhetoric 35

FOURTH YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
New Testament 1	New Testament 5 or 6	New Testament 7
Philosophy 5a and 8	Philosophy 9 and 6	Philosophy 10 and 15
Rhetoric 16	Hebrew 4	Music 13
Social Science 1	Social Science 2	Philosophy 24

In this fourth year, History may be continued instead of Philosophy. Also, courses in Philosophy, in History, in Literature or in Biology may take the place of Hebrew or of Social Science.

PREPARATORY TO THE STUDY OF LAW

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 43.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C

And in addition, three elective courses, two from the first and one from the second of the following groups :

(Group 1)

Greek 4	Greek 5	Greek 6
Latin 4	Latin 5	Latin 6
French 4	French 5	French 6
English 1	English 2	English 3

(Group 2)

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 9	Mathematics 10	Mathematics 11 or 12
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
THIRD YEAR		
Philosophy 2	Philosophy 3	Philosophy 19
Rhetoric 33	Rhetoric 34	Rhetoric 35
Rhetoric 27	Rhetoric 28	Rhetoric 29
History 1	History 2	History 3
Political Economy 1	Political Economy 2	Political Economy 3
Political Science 1	Political Science 3 or 4	Political Science 2 or 7
Elementary Law 1 or 4	Elementary Law 2 or 5	Elementary Law 3 or 6
FOURTH YEAR		
Philosophy, one course	Philosophy, one course	Philosophy, one course
Social Science 1	Social Science 2	Social Science 3
Political Economy 4 or 7	Political Economy 5 or 6	Political Economy 9
History 4	History 5	History 6
Elementary Law 1 or 4	Elementary Law 2 or 5	Elementary Law 3 or 6
Political Science 5		

PREPARATORY TO THE STUDY OF MEDICINE OR BIOLOGICAL SCIENCE

FIRST YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Comp. Anatomy 15	Comp. Anatomy 1	Comp. Anatomy 2
Mathematics 1	Mathematics 3	Mathematics 2
French 1 or German 4	French 2 or German 6	French 3 or German 8
*Rhetoric 2	Rhetoric 3	Rhetoric 4

Candidates for the degree of Bachelor of Arts will take during the Freshman year the regular course scheduled on page 43.

SECOND YEAR

Comp. Anatomy 3	Comp. Anatomy 4	Comp. Anatomy 10
German 1	German 2	German 3
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Rhetoric 2	Rhetoric 3	Rhetoric 4

*Students who take Rhetoric in the Freshman year should elect Botany in the Sophomore year.

THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Comp. Anatomy 16	Comp. Anatomy 17	Comp. Anatomy 18
German 4	German 6	German 8
Chemistry 4	Philosophy 3	Philosophy 4
Philosophy 2	History 2	Philosophy 19
History 1	Rhetoric 34	Rhetoric 35
Rhetoric 33		

FOURTH YEAR

Comp. Anatomy 19	Comp. Anatomy 9	Anthropology 1
Geology 1	Comp. Anatomy 20	Comp. Anatomy 8
	Zoölogy 1	Comp. Anatomy 21
	Geology 2	

In the fourth year students are advised to elect courses in Philosophy, History and German, in addition to the above.

PREPARATORY FOR JOURNALISM

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1	German 2	German 3
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
English 1	English 2	English 3

THIRD YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19
English 50	English 51	English 52
Political Economy 1	Political Economy 2	Political Economy 3
History 4	History 5	History 6
Social Science 1	Social Science 2	Social Science 3

FOURTH YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 16	Rhetoric 17	Rhetoric 18
Political Science 1	Political Science 4	Political Science 2
Political Economy 4	Political Economy 6	Political Economy 9
History 7	History 8	History 9
Philosophy, one course	Philosophy, one course	Philosophy, one course

To proficiency in French and German, knowledge of the Italian and Scandinavian languages might be added with advantage.

Some students while in college are able to engage in newspaper work by acting as correspondents of Providence, Boston and New York papers.

INSTRUCTION FOR GRADUATE STUDENTS

Brown University offers excellent facilities for graduate study, to which its own graduates and those of other colleges are alike welcome. Not only are the libraries and the laboratories of the University, its seminaries, its observatory and its various museums all of a nature greatly to assist advanced study, but the industries of the city of Providence offer numerous and rare opportunities for special scientific investigation.

A Graduate Students' Association, composed of the students carrying on advanced courses at the University, holds monthly meetings during the year, at which papers embodying the results of special investigations are read. Addresses are also made by members of the Faculty and others on topics connected with graduate work. The Philosophical Club, the Biological Club, the Art Club and the Biblical Research Club offer opportunities for the presentation and discussion of the results of investigations in their several fields.

The following courses of instruction are at present available for graduate students. Those marked with a star are intended primarily for such students, the rest being meant also for higher undergraduate work. Candidates for graduate degrees and other advanced students will find all of these courses exceedingly helpful in both methods and subjects. The numbers of the courses refer to the general conspectus, pages 50 to 100 inclusive.

PHILOSOPHY

All the elective courses in Philosophy are suitable for graduate students who have not taken them.

HISTORY

History 7, 8, 9. Constitutional and Political History of the United States. Three hours. Through the year.

*History 10.** Principles of Historical Criticism. One hour. Through the year.

*History 12.** Practical Exercises in Historical Criticism. One hour. Through the year.

*History 13.** History of Historical Writing in Modern Europe. One hour. First and Second Terms.

*History 17.** Historical Bibliography. One hour. Through the year.

*History 14.** American History. Special Course. One hour. Through the year.

History 3. History of the Reformation. Three hours. Third Term. Not offered in 1897-98.

History 11. History of the Renaissance. Three hours. Third Term.

*Historical Seminary.** Special meetings during each Term.

History 15. Islâm and the Crusades. Three hours. Third Term. Not offered in 1897-98.

History 16. The French Revolution. Three hours. Third Term.

SOCIAL AND POLITICAL SCIENCE

Political Science 4. United States Constitutions. Three hours. Second Term.

Political Science 5. Development of Political Theory. Three hours. First Term.

Political Science 6. Roman Law. Three hours. Second Term.

Political Science 7. Diplomacy. Three hours. Third Term.

Political Science 8, 9,* 10.** Current Political Theory and Practice. One hour. Through the year.

Social Science 4. Social Philosophy. Three hours. Third Term.

Social Science 5. Development of Social Theory. Three hours. Second Term.

Social Science 6. Segregation of Population. Three hours. First Term.

Social Science 7, 8,* 9.** Current Social Theory and Practice. One hour. Through the year.

POLITICAL ECONOMY

Political Economy 4. History of Economic Thought. Three hours. First Term.

Political Economy 6. Money and Banking. Three hours. Second Term.

Political Economy 5. Public Finance. Three hours. Second Term.

Political Economy 7. Practical Economic Questions. Three hours. First Term.

Political Economy 9. Methods of Economic Investigation. Three hours. Third Term.

THE FINE ARTS

Fine Arts 1. Ancient Art, or Classical Archaeology. Three hours. First Term.

Fine Arts 4. Early Christian and Mediaeval Art. Three hours. Second Term.

Fine Arts 6. The Art of the Renaissance. Three hours. Third Term.

Fine Arts 7, 9. Modern Art. Three hours. First and Second Terms.

Fine Arts 8. Theory and Criticism. Three hours. Third Term.

Fine Arts 10.* Seminary in Classical Architecture. Three hours. First Term. Not offered in 1897-98.

Fine Arts 11.* Seminary in Greek and Roman Sculpture. Not offered in 1897-98.

Fine Arts 3.* Seminary Study of the Acropolis of Athens. Not offered in 1897-98.

Fine Arts 12.* Seminary in Renaissance Art. To be offered in 1898-99.

Architecture 32, 33, 34. Domestic. Three hours. Through the year.

Architecture 35, 36, 37. Ecclesiastical. Three hours. Through the year.

Architecture 20,* 21,* 22.* History of Ornament. Three hours. Through the year.

Music 7. Fugue. Three hours. First Term.

Music 8. Fugue and Free Composition. Three hours. Second Term.

Music 9. Free Composition and Instrumentation. Three hours. Third Term.

Music 10, 11, 12. Structure and History of Music. Three hours. Through the year. Not offered in 1897-98.

Music 20,* 21,* 22.* The Symphony. Three hours. Through the year.

Music 23,* 24,* 25.* The Song. Three hours. Through the year. not offered in 1897-98.

INDO-EUROPEAN PHILOLOGY

Comparative Philology 4, 5. Sanskrit. Three hours. First and Second Terms.

Comparative Philology 6,* 8.* Sanskrit. Advanced course. Three hours. First and Second Terms.

Comparative Philology 7.* Seminary. Third term. Not offered in 1897-98.

GREEK LITERATURE AND HISTORY

Greek 25,* 26.* Aristotle's Politics. Two hours. First and Second Terms.

Greek 31,* 32,* 33.* The Orators. Two hours. Through the year. Not offered in 1897-98.

Greek 34,* 35,* 36.* Seminary. Interpretation of Theocritus. Interpretation of Plato's Republic. Interpretation of Pindar or Ilesiod, alternating with Bacchylides. One two hour session weekly. Through the year.

Greek 40,* 41,* 42.* Homer and Mycenaean Archaeology. Three hours. Through the year. Not offered in 1897-98.

ROMAN LITERATURE AND HISTORY

Latin 10, 14, 15. Private Life and Antiquities of Rome. One hour. Through the year. Not offered in 1897-98.

Latin 16, 17, 18. Pliny the Younger. One hour. Through the year. Not offered in 1897-98.

Latin 19,* 20,* 21.* Seminary in Epigraphy. Two hours. Through the year. Not offered in 1897-98.

Latin 22,* 23,* 24.* Seminary in Palaeography and Textual Criticism. Two hours. Through the year. Not offered in 1897-98.

Latin 25,* 26,* 27.* Seminary in Numismatics. One hour. Through the year.

Latin 28,* 29,* 30.* Seminary in Roman History. One hour. Through the year.

Latin 31,* 32,* 33.* Roman Architecture and Topography. One hour. Through the year.

Latin 34,* 35,* 36.* Roman Provincial Administration. Two hours. Through the year.

ENGLISH LITERATURE AND LANGUAGE

English 13, 14, 15. Oldest English Texts. Three hours. Through the year. Not offered in 1897-98.

English 24, 25, 26. Middle English. Three hours. Through the year. Not offered in 1897-98.

English 60, 61, 62. Shakspeare. Three hours. Through the year.

English 34, 35, 36. Shakspeare. Three hours. Through the year. Not offered in 1897-98.

English 56, 57, 58. English Literature from the death of Spenser to the Restoration, exclusive of the Drama. Three hours. Through the year.

English 31, 32, 33. English Literature from Dryden to Cowper, exclusive of the Novel. Three hours. Through the year.

English 43, 44, 45. English Poetry from Burns to Keats. Three hours. Through the year. Not offered in 1897-98.

English 46, 47, 48. English Poetry of the Victorian Period. Three hours. Through the year.

English 50, 51, 52. English Essayists of the Nineteenth Century. Three hours. Through the year.

English 18, 19, 37. The Novel. Three hours. Through the year.

RHETORIC AND ORATORY

Rhetoric 16, 17, 18. Advanced English Composition. Three hours. Through the year.

Rhetoric 27, 28, 29. Oral Discussion. Three hours. Through the year.

GERMANIC LANGUAGES AND LITERATURES

German 4, 6, 8. Lessing, Schiller, Goethe. Three hours. Through the year.

German 46, 47, 48. Goethe's Faust, Parts I and II. Three hours. Through the year.

German 16, 17, 18. German Literature. Three hours. Through the year.

German 10, 11, 12. Middle High German. Two hours. Through the year.

German 19,* 20,* 21.* Old High German. One hour. Through the year.

German 28,* 29,* 30.* Germanic Mythology. Two hours. Through the year.

German 34,* 35,* 36.* Germanic Philology. Two hours. Through the year.

Gothic 1,* 2,* 3.* One hour. Through the year.

Old Norse 1,* 2,* 3.* One hour. Through the year.

Old Norse 4,* 5,* 6.* Advanced. One hour. Through the year.

ROMANCE LANGUAGES AND LITERATURES

French 28, 29, 30. Advanced Literature Course. Three hours. Through the year. Not offered in 1897-98.

French 34,* 35,* 36.* Old French and Provençal. Three hours. Through the year. Not offered in 1897-98.

Italian 10, 11, 12. Dante. Three hours. Through the year. Not offered in 1897-98.

Italian 7, 8, 9. Dante in English. Three hours. Through the year.

Italian 19,* 20,* 21.* Ariosto, Tasso and Machiavelli. Three hours. Through the year.

BIBLICAL LITERATURE AND HISTORY

Hebrew 1, 2. Elementary. Three hours. First and Second Terms.

Hebrew 3. Historical. Three hours. Third Term.

Hebrew 4. Isaiah xl-lxvi. Three hours. First Term.

Hebrew 9, 10. The Book of Psalms. One hour. First and Second Terms.

Aramaic 1, 2. Biblical Aramaic. Two hours. First and Second Terms.

Syriac 1.* Elementary. Three hours. Third Term.

Assyrian 1, 2. Elementary. Two hours. First and Second Terms.

Assyrian 3. Historical. Two hours. Third Term.

Assyrian 4,* 5,* 6.* Seminary. One hour. Through the year.

New Testament 1. Gospel of Mark. Three hours. First Term.

New Testament 2. Gospel of Luke. Three hours. First Term. Not offered in 1897-98.

New Testament 3. Paul's Corinthian Epistles. Three hours. Third Term. Not offered in 1897-98.

New Testament 7. The Book of Acts. Three hours. Third Term.

New Testament 5. The Gospel of John. Three hours. Second Term.

New Testament 6. The Gospel of Matthew. Three hours. Second Term.

PURE MATHEMATICS

Mathematics 11. Modern Methods in Analytic Geometry. Three hours. Third Term. Offered in 1897-98.

Mathematics 30. Solid Analytic Geometry. Three hours. Third Term. Offered in 1898-99.

Mathematics 8. Theory of Equations and Determinants. Three hours. Third Term.

Mathematics 14. Applications of the Calculus. Three hours. Second Term.

Mathematics 15, 16. Differential Equations. Three hours. First and Second Terms.

Mathematics 18,* 19,* 20.* Modern Algebra. Higher Plane Curves, Surfaces. Three hours. Through the year. Offered in 1897-98.

Mathematics 21,* 22,* 23.* Theory of Functions. Three hours. Through the year. Offered in 1898-99.

Mathematics 24,* 25,* 26.* Differential Equations. Three hours. Through the year. Offered in 1897-98.

Mathematics 27,* 28,* 29.* Substitutions and Transformation Groups. Three hours. Through the year. Offered in 1898-99.

DRAWING

Drawing 9. Gearing. Three hours. Third Term.

Drawing 15. Constructive Geometry. Three hours. First Term.

Drawing 27, 28. Advanced Machine Design. Three hours. First and Second Terms.

CIVIL ENGINEERING

Courses 5 to 21, inclusive.

MECHANICAL ENGINEERING

Courses 3 to 9, inclusive.

ASTRONOMY

For Graduates who wish to pursue advanced courses in this subject, courses 8, 9, 10 and 14, 15, 16 are available, and additional work is assigned in theoretical and practical Astronomy. Such students may also assist in the regular observations carried on at the Observatory.

PHYSICS

Physics 11. Electrical Engineering. Three Hours. First Term.

Physics 12. Electrical Engineering, continued Three hours. Second term.

Physics 15. Electrical Engineering Laboratory. Three hours. Third Term.

Physics 13, 14, 16. Mathematical Treatment of Dynamical Problems. Three hours. Through the year. Not offered in 1897-98.

Physics 17, 18, 19. Advanced Laboratory. Three hours. Six hours of attendance. Through the year.

Physics 29, 30, 31. Advanced Physics. Three hours. Through the year.

Physics 20,* 21.* Harmonic Analysis. Three hours. Second and Third Terms.

Physics 22.* Behavior of matter through long ranges of temperature. Original research.

Physics 23.* Behavior of matter through long ranges of high pressure. Original research.

Physics 24.* Absolute viscosity of solids as compared with liquids and gases. Original research.

Physics 25.* Physical properties of the iron carburets. Original research.

Physics 26,* 27,* 28.* Lectures on the mathematical theory of Electricity and Magnetism. Three hours. Through the year.

CHEMISTRY

None of the courses in Chemistry are exclusively for Graduates; but courses 4 to 20, inclusive, will be found appropriate for Graduates who have not pursued them. Graduate students are afforded all practicable facilities for carrying on, in the Chemical Laboratory, investigations approved by the professor in charge. Graduate degrees in Chemistry will be conferred only after a large amount of preparatory work.

ZOÖLOGY, GEOLOGY AND ANTHROPOLOGY

Geology 1, 2. Three hours. First and Second Terms.

Geology 3. Economic Geology. Three hours. Third Term.

Anthropology 1. Three hours. Third Term.

Zoölogy 1, 2. Three hours. First and Second Terms.

COMPARATIVE ANATOMY

Comparative Anatomy 3, 4. Comparative Anatomy of Vertebrates. Three hours. First and Second Terms.

Comparative Anatomy 8. Comparative Embryology. Three hours. Third Term.

Comparative Anatomy 9. Bacteriology. Three hours. Second Term.

Comparative Anatomy 10. Normal Histology and Micro-technique. Three hours. Third Term.

Comparative Anatomy 18, 19, 20. Physiology. Three hours. Third, First and Second Terms.

Comparative Anatomy 21. Physiology. Three hours. Third Term.

Comparative Anatomy 16, 17. Anatomy of the Nervous System. Three hours. First and Second Terms.

BOTANY

Botany 7, 8. Structure and Development of Cryptogams. Three hours. First and Second Terms.

Botany 12. Study of the Higher Cryptogams. Three hours. Third Term.

Botany 13. Taxonomy of Phaenogams. Three hours. Second Term.

Botany 14. Medical Botany. Three hours. Third Term.

EDUCATIONAL PRIVILEGES FOR WOMEN

By vote of its Corporation on September 2, 1891, the University opened all its examinations to women. By a further vote on June 21, 1892, it opened all its degrees to women. By a third vote on June 23, 1892, to women already holding a baccalaureate degree, and to other women of liberal education who may secure special permission, it opened, on the same terms as to men, all those of its courses of instruction which are intended for graduate students.

Women, candidates for graduate degrees are under the control of the committee on graduate students and subject to the regulations regarding registration etc., given in later pages of the catalogue. That is, so far as its graduate department is concerned, the University places women on exactly the same footing as men. In respect to instruction, examinations and degrees, the two sexes are treated precisely alike. The expenses, too, are the same.

The courses open to graduate students are specified on pages 106-114 of the catalogue, while a more extended description will be found in the outline of courses by departments, pages 50-100.

Undergraduate instruction for women is fully provided for in the Women's College, described in the following pages.



PEMBROKE HALL

THE NEW RECITATION BUILDING OF THE WOMEN'S COLLEGE

THE WOMEN'S COLLEGE

LOUIS FRANKLIN SNOW, A. M., DEAN

ADVISORY COUNCIL

MISS SARAH E. DOYLE,	MISS AMELIA S. KNIGHT,
MRS. ELIZA G. RADEKE,	MRS. A. I. C. D. AMES,
MRS. ELLA A. ANDREWS.	

This Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and from time to time makes to the Advisory and Executive Committee or to the Corporation such recommendations in reference to the Women's College as the Council deems fitting.

Soon after the vote of the Corporation opening the examinations of the University to women, it became evident that, if women were to profit by this privilege, some means of preparing them for the examinations must be provided. This need was at first met unofficially. Instruction was given in the studies of the Freshman year to a small number of women by the instructors regularly in charge of those subjects in the University. The number of applicants for this unofficial instruction increased so rapidly that it soon became necessary to provide an entire series of college courses. This was done, and the work fully organized under the direction of the present Dean; but the Women's College still remained merely an independent institution having no legal connection with the University. On June 18, 1896, however, the Corporation passed a vote by virtue of which the Women's College became legally and officially a part of the University. Under the provisions of this vote, the President of the University is charged with the general direction and government of this College, as of other departments of the University. The immediate charge of the College in respect to registration, teaching, government and discipline

devolves, subject to the direction of the President, on the Dean of the Women's College, to be elected annually by the Corporation. The instruction is given by the professors and instructors in Brown University.

The University examinations are open to women only when they are registered in the Women's College or as Graduate Students.

The Corporation will receive gifts of money to found scholarships, fellowships and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and will hold and administer such funds as separate and distinct from the general funds of the University.

ENTRANCE EXAMINATIONS

The requirements for admission to the Women's College are, of course, the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 32-41.

COURSES OF INSTRUCTION

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. Information in regard to the requirements for the various degrees may be found on pages 42-49.

The elective courses are identical in character with those offered to men, since they lead to the same examinations; and it is the aim of the Women's College to make available for its students every elective course for which there is a demand. The list given on pages 50 to 100 of this catalogue may, therefore, be taken as indicating the range of choice. More precise information as to the courses offered is given each year in the circular issued by the Women's College at the beginning of the summer vacation.

Students who do not wish to become candidates for a degree are admitted to select courses of any extent, consisting either of special

work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must present to the Dean sufficient evidence of her ability to pursue successfully the course chosen. Moreover, every select student, unless specially excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

EXAMINATIONS

As a rule, women take the same examinations offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible.

Reports of proficiency are given after all examinations. Upon the satisfactory completion of any minor course of study, candidates are given certificates of their attainments, while upon those who complete with credit any of the regular curricula the corresponding degree is conferred by the Corporation of the University, in accordance with its vote of June 21, 1892.

Before each University examination period the Dean of the Women's College files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is approved whose term-bill is not paid or satisfactorily arranged for at least five days before the beginning of the examination period.

SUGGESTIONS FOR A COURSE PREPARATORY TO TEACHING

The great number of students of the Women's College who anticipate entering the profession of teaching has suggested the advisability of presenting in outline a course of study that may aid in their preparation.

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy, see page 43.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C
English 1	English 2	English 3

and two of the following electives :

Latin 4	Latin 5	Latin 6
Greek 4	Greek 5	Greek 6
French 4 or 13	French 5 or 14	French 6 or 15
Mathematics 9	Mathematics 10	Mathematics 12
Chemistry 1	Chemistry 2	Chemistry 3

THIRD YEAR

Philosophy 2	Philosophy 3	Philosophy 19
History 1	History 2	History 3
Rhetoric 33	Rhetoric 34	Rhetoric 35

and three of the following electives :

Comp. Anatomy 15	Comp. Anatomy 1	Comp. Anatomy 2
Physics 1	Physics 2	Physics 4
Social Science 1	Social Science 2	Social Science 3
Political Science 1	Political Science 3	Political Science 2
Political Economy 1	Political Economy 2	Political Economy 3
Philosophy 36	Philosophy 37	Philosophy 38

FOURTH YEAR

Philosophy 5a	Philosophy 6	Philosophy 15
Pedagogy 1	Pedagogy 2	Pedagogy 3
Electives, nine hours	Electives, nine hours	Electives, nine hours

Students should of course select those studies which will be most necessary in preparation for the particular subjects which they intend to teach, omitting if necessary some of those outlined above. The course in Pedagogy should however be taken by all.

For those who can afford the time, the graduate courses in Pedagogy will be found extremely valuable.

PHYSICAL CULTURE

By the generosity of the Alumnae of the Women's College it has been made possible to form the nucleus of a Gymnasium, and

the work, consisting of free exercises with light apparatus, games, etc., is given two hours weekly during the second term of the year; elective for Juniors and Seniors, required for Sophomores and Freshmen.

NEW RECITATION BUILDING

Pembroke Hall, the new recitation building for the Women's College, is built of red brick with stone and terra cotta trimmings, after the old English University style of the fifteenth and sixteenth centuries. The building is three stories high and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms with a seating capacity of fifty-four in the smallest and seventy-nine in the largest. The hallway is fifteen and one-half feet wide and the main staircase runs from the first floor to the assembly room at the top of the building. On the second floor are two recitation rooms, a reception room, a study and library combined, thirty by twenty-six feet, and a magazine and reading room, eighteen by twenty feet. The third floor is in one large hall, seventy-six by forty-four feet, with open timbered roof and two large fireplaces, and on the south side a platform with staircase from the rear to a dressing room in a half-story between the platform and reception room. In the basement which is light, dry and airy, the students' lockers, kitchen and lunch room are located.

The building is named from Pembroke College, Cambridge, the alma mater of Roger Williams.

SCHOLARSHIPS AND PREMIUMS

The Sarah E. Doyle scholarship for young women, consisting of one thousand dollars, has been founded by the woman whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The sum of one thousand dollars has been paid to the Treasurer of the University to be known as "The Sarah Sutton Scholarship

for young women, founded by one of her eight daughters." The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter Daughters of the American Revolution Prize of forty dollars, offered by the Gaspee Chapter of D. A. R., is to be paid annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1896-97 was "The Tories of New England and their Cause." Miss Ruth Story Devereux was the successful competitor. The topic for the year 1897-98 is "The Southern Campaigns of General Greene." Each essay is to bear an assumed name, and to be accompanied by an envelope marked with such assumed name and enclosing the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1898. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. (See index.) Women candidates successful in first premium contests receive collateral prizes awarded by the Dean. In 1897-98 a collateral first prize in French was awarded to Miss Genevieve Partridge of Woonsocket.

EXPENSES

The charges heretofore made for examinations are abolished. Students at the Women's College pay the same amount as other students of the University. One-half of the tuition and of the incidental expenses are to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term. Checks should be made payable to L. F. Snow, Dean.

CANDIDATES FOR A DEGREE

Tuition, \$105.00 per year. No deduction is made on account of absence.

Incidentals, \$45.00 per year.

Every member of the Freshman Class pays, upon admission to the College, a matriculation fee of \$5.00.

Every member of the Senior Class pays upon graduation a fee of \$8.00 for her diploma and other expenses connected with graduation.

SPECIAL STUDENTS

Special Students at the Women's College are charged \$10.00 per term for each course holding three recitations per week. Laboratory charges are in addition to this.

BOARDING

As yet the Women's College offers no dormitory accommodations to its students. Arrangements have been made, however, by which homes are provided in excellent private families. An approved list of such places is kept in the Dean's office and every effort is made to arrange satisfactorily for all who apply. Students from a distance are required to register their local address with the Dean at least one week before the opening of the college year.

THE UNIVERSITY EXTENSION

PROFESSOR WILFRED H. MUNRO, A. M., DIRECTOR

The purpose of the plan for the Extension of University Teaching is to afford the benefits of this teaching to those who cannot attend a University. Lecture courses are given in any place easily accessible from Brown University, upon any subject for which there is a sufficient popular demand. A course of ten weekly lectures is intended to cover about the same ground which a college class would go over in ten weeks. The teaching scheme comprises lectures, class-work, essays, reports, etc. In such subjects as German, French, Spanish, Italian, the work is similar in every respect to that of the college class-room. A voluntary examination is held at the close of each course, and certificates are awarded to those who pass it.

The University charge for a course of lectures is \$100; besides which the Centre is required to pay the traveling and hotel expenses of the lecturer.

Experience has shown that the best work can be done in small classes, of from thirty to fifty persons, and that an attempt to popularize a course is unwise. The aim is not to amuse but to teach.

It is recommended that each Centre charge a fee of \$3 per person for each course. This will necessitate a guaranteed attendance of thirty-five people. Where several courses are carried on by the same Centre, an average attendance of thirty-five should be secured.

All communications respecting the Extension Work should be addressed to Professor Wilfred H. Munro, Director of the University Extension, Brown University, Providence.

LIBRARIES

THE UNIVERSITY LIBRARY

The University Library consists of the main library, which is stored in the fire-proof building, the gift of the late John Carter Brown, of the class of 1816, and the department libraries which are placed in connection with the various laboratories and seminary rooms. The total number of volumes is about one hundred thousand.

The Main Library has recently been re-arranged on the Cutter system of classification. On the first two floors are shelved the books most in use, the entire west wing of the Library on the first floor being given up to History, the north wing to Periodicals, Fine Arts, and Social Science, while the east wing is occupied by works on Language and Literature. The second floor is devoted to Philosophy, Theology, the Sciences and the Arts. In a separate room on this floor is shelved the Harris Collection of American Poetry. This collection, founded by Albert G. Greene, and extended by C. Fiske Harris, was bequeathed to the University by the late Senator Anthony. It numbers over six thousand bound volumes, and is perhaps the largest collection in the world devoted to the subject.

On the third floor are kept certain collections such as works devoted to Rhode Island History, Brown University, Baptist History and Bibliography, besides many thousand volumes of works least frequently consulted, all arranged according to the classification adopted for the lower floors. Here also is the George Henry Smith collection of newspaper cuttings from 1861 to 1865, carefully arranged in folio volumes, which constitute an invaluable mass of material relating to the history of the war.

All purchases are carefully made with reference to the needs of the different departments in their work of research, while at the same time there is kept in view the development of a library of general culture for the use of the students. Though many of the volumes are rare and costly, free access to the shelves is allowed.

Upon the corner tables in the central reference room, on the first floor, are kept the latest numbers of the standard periodicals, American and foreign. Behind them, conveniently arranged, are books of reference, while the shelves on the main table are devoted to books reserved by the departments. In this room are the Loan Desk where books are charged and returned, and the desk of the Reference Librarian whose duty is to advise and assist students in their use of the books whether for class work or for private reading and research.

The library funds amount to fifty-seven thousand dollars. Of this sum ten thousand dollars is a bequest from the late Professor Gammell, for the purchase of books relating to the history of the United States. Ten thousand dollars constitutes the Olney Fund, for the purchase of plants and botanical books, and a like sum the Diman Memorial Fund for the purchase of works on mediaeval and modern history. The remainder forms the Library Fund proper. Additions to these funds are earnestly requested.

The Library is open to readers during term time from 9 A. M. to 10 P. M. on week days, and from 1 to 10 P. M. on Sundays; books may be taken out only on week-days, between 9 A. M. and 5 P. M.

THE GERMANIC INSTITUTE AND LIBRARY

Two commodious rooms in Sayles Memorial Hall have been set apart and furnished for the use of the Germanic Institute. In these rooms is the Conant German Seminary Library, a special collection for the use of the Germanic department, selected in Germany by Professor Williams, in the name of the principal donor, Hon. Hezekiah Conant. Many other generous contributors have added to the fund, until now the library contains over six thousand selected volumes, including editions of all the principal writers in German literature; a large collection in philology; all the leading literary and philological *Zeitschriften*; many works upon German history, the history of German literature, law, art, palaeography and geography. The library is especially rich in works of the Middle High German period and in Goethe and Schiller literature.

It possesses many works of art which illustrate the subjects taught, bronzes, copper and steel plate engravings and illustrated books. A Scandinavian section representing the principal authors has recently been added. All the officers of the department have their private studies in the Institute and are thus brought into daily contact with their advanced students. The rooms are open from 8 A. M. to 10 P. M.

THE ALBERT HARKNESS CLASSICAL SEMINARY

A large room in Sayles Hall is occupied by the Albert Harkness Classical Seminary, founded by Professor Albert Harkness, Ph. D., LL. D., and named in his honor. It is supplied with a special library of fifteen hundred volumes, purchased with funds generously contributed by friends of the University interested in classical studies. In selecting the books, the requirements of a good working library were studied with particular care, and only those books were chosen which properly belong to such a library. The most important collection of authors, the best commentaries, reference books and similar aids are therefore to be found here; and the seminary is the centre for advanced study and research in the classical languages and literatures. Though primarily intended for graduates, the seminary is open to such undergraduates as are qualified to profit by its advantages. The room is open from 9 A. M. to 10 P. M.

THE ROMANCE DEPARTMENT LIBRARY

A room in Sayles Hall has been set aside for the use of advanced students in the Romance department. A choice special library has been begun, and here all graduate courses are conducted. The professor or one of the instructors is constantly at hand to give informal assistance and advice to those admitted to these privileges. A large number of books have already been collected; and it is hoped that gifts from friends of the University, not only in the way of books but of engravings and works of art illustrating the literatures studied, will soon increase the value as well as the attractions of this important feature of the department's work.

THE BANCROFT LIBRARY

Not long after the death of Professor Bancroft, his family left in the room in University Hall formerly occupied by Professor Bancroft, and now used as a consultation room by the department of Rhetoric, several hundred volumes from his library to form the nucleus for a department library. At present the inadequacy of the library discourages the frequent use of it; but books are added from time to time, and it is hoped that this collection will soon form a good working library and a worthy memorial of one who served the University long and faithfully.

OTHER SPECIAL LIBRARIES

Most of the other departments of the University have special collections of books for use in connection with advanced laboratory work. The most important of these belong to the departments of Chemistry, Physics, Botany, Comparative Anatomy, and Drawing.

THE SEARS READING ROOM

The Sears Reading Room Association, conducted by the students, occupies a commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for its use, and supplied with the most important newspapers, daily and weekly, as well as with a variety of the more popular periodicals. Standard literary magazines and technical journals are to be consulted in the University library.

OTHER LIBRARY FACILITIES

There are also practically at the service of the students of the University the five collections of books named below. These comprise, with the University Library, more than a quarter of a million volumes, exclusive of pamphlets and manuscripts, and afford library privileges such as can be found at but very few seats of learning in this country. The first three libraries named are entirely free, and the other two are readily available.

THE PROVIDENCE PUBLIC LIBRARY

All students of Brown University are allowed, upon the same conditions as other residents of the city, to make use of the well selected Public Library of Providence, containing over 82,000 volumes, which enjoys a national reputation for excellence of management. It is situated at 73 Snow street, and is open, on ordinary days, from 10 A. M. to 9 P. M.; and on Sundays and legal holidays, from 2 to 9 P. M. The librarian prepares lists of references on various topics which are of service to students; the more extended of these lists are printed in the monthly bulletin of the library. He is glad to be consulted with respect to books on any of the departments of University teaching. On the history of slavery and of the Civil War this library possesses one of the richest collections in America.

THE STATE LAW LIBRARY

This collection of about 25,000 volumes may be consulted in the Providence County Court House, at the corner of Benefit and College streets, only a few steps from the University, between the hours of 9 A. M. and 5 P. M. It is accessible to all students, and for certain lines of University study is invaluable.

THE LIBRARY OF THE RHODE ISLAND HISTORICAL
SOCIETY

The cabinet of the Rhode Island Historical Society, which has recently undergone extensive enlargement, is situated on Waterman street, next door to the University Library building. The library of the society comprises 20,000 bound volumes and 30,000 valuable unbound volumes and pamphlets. Through the courtesy of the society the collection is made accessible, free of charge, to members of the University. It offers especial facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in many departments of general American history. The collection is open from 9 A. M. to 4 P. M.; on Saturdays, from 9 A. M. to 1 P. M.

THE LIBRARY OF THE PROVIDENCE ATHENAEUM

The Athenaeum, chartered over sixty years ago, occupies a field peculiar to itself. It aims to furnish a home library, larger, better arranged, more useful and more attractive than that within the means of any individual shareholder, and its growth is along the lines of general literature. The library numbers some 60,000 volumes, and the reading room receives upwards of 150 papers and magazines, including New York, Boston and Providence daily papers, and American, English, German, French and Italian weeklies, magazines and reviews. It has recently added four departmental rooms, two reference rooms, an art room and a periodical room. In bound sets of periodicals this library may be said to be especially rich. By a recent vote of its directors, professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain special privilege from the board, may become a subscriber for three months on the payment of one dollar in advance. Such subscribers have the right to take out books and use the rooms of the institution in the same manner as shareholders and under like regulations. The Athenaeum is open, during the college year, from 9 A. M. to 10 P. M.

THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

This is a collection of over 12,000 volumes upon medicine, surgery and kindred branches. Many of them relate to physiology, physiological psychology, hygiene and other subjects pursued in the University. Arrangements are easily made whereby any student can, without cost, enjoy the privileges here offered. This library is in the Arnold Block, 54 North Main street, and is open from 2 to 6 P. M.

LABORATORIES

THE LADD ASTRONOMICAL OBSERVATORY

The observatory is equipped with a Saegmuller-Brashear equatorial of twelve-inches aperture, which is supplied with a filar micrometer, spectroscope and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses open to undergraduates and graduates.

The observatory furnishes constant time-signals to the Rhode Island Electric Protective Company, by which they are distributed to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity and precipitation are made throughout the year. Special observations are also made as opportunity offers.

THE PHYSICAL LABORATORY

All the courses of instruction offered by the department of Physics are conducted in Wilson Hall. This building was specially designed and constructed for a physical laboratory. The general lecture-room is large and well ventilated, and contains all the necessary conveniences for the experimental demonstration of lectures. Twelve laboratory rooms are provided for the experimental study of physics, each room being adapted to the investigation of a particular branch of the subject or available for the arrangement of classes according to proficiency. Brick piers are provided for the support of instruments requiring great steadiness, and the magnetic rooms are as free as possible from iron and other disturbing influences. Two rooms on the ground floor are devoted to a laboratory for electrical engineering, and

are well equipped with machinery and instruments. Equipment for certain special investigations recently undertaken has been courteously placed at the disposal of the department by friends of the University. Efforts are being made continually to develop the facilities for high-temperature and high-pressure work, in the directions specified in courses 22 and 23. The cabinets are well supplied with apparatus both experimental and demonstrative, and frequent additions are made as necessity requires. In all such cases selections are made with a view to use in the student's laboratory as well as in the lecture-room, and to the exclusion of merely exhibitional apparatus.

ANATOMICAL LABORATORY

The laboratories and museum rooms of the department of Comparative Anatomy are located in Rhode Island Hall. The laboratory for introductory anatomy and histology is well lighted, and is provided with tables and instruments sufficient to accommodate a class of thirty students. The laboratories for advanced anatomy are a part of the museum, and are fully equipped with microscopes and the ordinary instruments and reagents for practical anatomical study. In all anatomical courses the valuable collections of the University and of the Rhode Island Medical Society are placed at the disposal of the student, and fresh material is supplied in abundance. The laboratory for physiology is located on the ground floor, and work-tables are provided for a class of twenty-five. This laboratory is fully equipped with reagents, glassware and the ordinary physiological apparatus. The laboratory for investigation and the smaller private laboratories are located near the department library.

THE CHEMICAL LABORATORY

The department of Chemistry occupies a building erected expressly for its use. Besides various subsidiary rooms the building contains the chemical lecture-room and laboratories. Adjoining the lecture-room are rooms containing the apparatus in most fre-

quent use for illustrating the lectures. The students' laboratory is supplied with work-tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. Adjacent to the students' laboratory are the balance room, the furnace room, the professor's office, and the assistants' laboratory.

THE BOTANICAL LABORATORY

The botanical department occupies the entire basement of Maxcy Hall. The main lecture-room and laboratory is well equipped and will accommodate forty-eight students. A somewhat smaller room adjoining is designed for a histological laboratory. Instruments and materials are provided. The herbarium, on the same floor, is convenient for consultation and systematic study of native and foreign plants.

THE PSYCHOLOGICAL LABORATORY

The psychological laboratory occupies rooms in Wilson Hall. It possesses a considerable variety of apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is especially well adapted for the illustration and demonstration of the main results of experimental work in psychology. Experimental psychology, however, is a science of recent origin, and its many yet unsolved or even unsuspected problems offer a rich field for further investigation. The department aims to make contributions to knowledge on this subject by original research; and the apparatus already possessed, that which can be supplied by the University work shops or by purchase, together with the simpler aids needed in the study of the higher mental phenomena, offer good facilities for undertaking such work.

MECHANICAL ENGINEERING LABORATORY

The laboratory, situated in the basement of Sayles Memorial Hall, is provided with excellent apparatus for making the most important tests on the strength of materials. The apparatus at present includes a 50,000-pound Riehlé testing machine, a machine for testing full-sized timber and steel beams, a Riehlé cement-testing machine and various pieces of auxiliary apparatus. Laboratory tests connected with the course in steam engineering use as a basis the various engines and boilers operated by the University.

THE DRAWING ROOMS

There are at present three large and well-lighted drawing rooms, accommodating two hundred students. These rooms are situated on the top floor of University Hall and are reached through the south entrance. About two hundred valuable models in wood and metal have been collected. A good many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame and washing tank, for preparing and developing blue-prints. A library for the use of students interested in mechanical engineering has been established. Through the generosity of friends valuable books have been secured and funds are in hand for the purchase of others.

MUSEUMS

THE JENKS MUSEUM OF ZOOLOGY

This museum is arranged according to modern methods of classification, beginning with the lower invertebrates and ending with the mammals. It includes materials not only for general work but for special investigation. There are on exhibition in the gallery, separate from the synoptic collections below, local collections representing the fauna of Rhode Island. Students giving special attention to zoölogy are allowed to take from the cases such specimens as they need, the aim always being to make the museum not merely an exhibition room but a place for work.

THE MUSEUM OF ANTHROPOLOGY

Properly to house and exhibit the rapidly growing stores of anthropological matter, a special hall contiguous to the Museum of Zoölogy has been fitted up, permitting a synoptic arrangement of the contents and otherwise greatly facilitating study. This work was done under the superintendence and entirely at the cost of the late Professor John Whipple Potter Jenks, who served so long and faithfully as the curator of the original museum. The Museum of Anthropology contains a great number of rare implements from foreign countries, as well as many once the property of the aboriginal race in our own land. Prehistoric anthropology is well illustrated by implements of stone, bone and bronze, with casts, models and photographs, either collected or purchased by Professor Packard in 1889. They represent France, Italy, England and Switzerland, materials from the lake dwellings of Switzerland being especially numerous.

THE HERBARIUM

The Herbarium consists mainly of various botanical collections which have been given or bequeathed to the University. Those

of Colonel Olney, Mr. Bennett, Professor Bailey, Miss Stout and Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout collection consists mostly of ferns. In addition to these collections, many specimens have been obtained by exchange, purchase and small donations. The collections of Olney, Bailey and Stout are nearly all mounted; the remainder, more than one-half, are mainly unmounted. These collections are now all merged in one general herbarium and deposited in new cases. They are roughly estimated to contain in all about 40,000 sheets, representing specimens from more than 60,000 localities. The arrangement of orders and genera of the flowering plants is according to Bentham and Hooker's *Genera Plantarum*; the ferns, according to Hooker's *Synopsis Filicum*; the mosses, according to Eaton's list.

The Herbarium furnishes the means by which allied species and genera, maturing at different seasons or in widely separated countries, can be critically studied, side by side, and their affinities or differences observed and recorded as in no other way. It is also an invaluable reference for determining the closely allied and varying species of many difficult genera which are, at times, almost impossible to separate by the best of printed descriptions.

Under proper restriction all the botanical exhibits are made accessible to students and to the public.

THE MUSEUM OF CLASSICAL ARCHAEOLOGY

By the generosity of its friends the University has been enabled to institute a Museum of Classical Archaeology. A collection of plaster casts from works of classical art has been placed in Manning Hall, which has been appropriately arranged and decorated for this purpose. They are of rare excellence, and of great value for illustrating ancient history, biography and art. The number of casts in the museum has been considerably increased by recent donations. The last addition to the collection consists of casts from the Elgin marbles in the British Museum.

PORTRAITS

The University possesses a large number of valuable portraits. Most of them are hung in Sayles Hall, which is thus made one of the chief centres of attraction on the University grounds. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of some among its former officers, and of many other distinguished persons, Americans and foreigners; the history of Rhode Island being especially well represented. The hall is fire proof. The utmost pains is taken and much expense incurred to keep these treasures in perfect order; yet they are made as completely accessible both to the University and to the larger public as is consistent with their proper preservation.

PHYSICAL CULTURE

The authorities of Brown University consider the attainment of robust physical health as among the most important aims of residence at college, necessary alike to high scholarship in college and to the successful performance of duties which arise in later life. In this view a rational and well-regulated system of physical training has been devised and is in successful operation. A due measure of such training is required of every undergraduate connected with the University, unless he is physically unable to engage in it.

The director of the gymnasium gives each student, upon entering college, a thorough physical examination, at which measurements and strength-tests are taken. From this examination a chart is made out for every student, showing his size, strength and development, and how he compares with the normal standard. Along with these data is given a card indicating how the student's weakness, if any exist, may be remedied, and affording advice in reference to bathing and the general care of the body.

From November until April each pupil is required to exercise three hours a week in the Lyman Gymnasium. This is a building of beautiful architectural design, equipped with all the apparatus usually found in modern structures of the kind. Most of this exercise occurs in classes. For class drill, the Freshmen swing Indian clubs; the Sophomores employ dumb bells; the Juniors engage in single-stick exercise; the Seniors use fencing foils, advancing, retreating, thrusting and parrying at the word of command. As a supplement to these drills each class is separated into four divisions, which perform exercises upon chest-weights, horizontal and parallel bars and other apparatus. The movements executed are graded to correspond with the strength and advancement of the several divisions. During the Sophomore and Junior years boxing and wrestling are carried on also in classes. These forms of exercise carefully conducted prove to be in the highest degree popular and beneficial. The re-

mainder of the required three hours per week each student devotes to the fulfillment of the directions given him on the card made out from the measurements taken at the beginning of the year. Each student is regularly marked and credited in his gymnasium work, faithfulness and punctuality being the tests.

In addition to the exercise in the gymnasium, every effort is made to encourage interest in out-door sports and participation in them at proper seasons of the year. Regular exercise in the open air is urged upon students as of very great importance. Lincoln Field, the University play ground, adjoins the gymnasium and is within a few hundred yards of most of the dormitories of the University.

The general control of all athletic organizations is in the hands of a committee of the Faculty.

HOSPITAL BEDS

Besides attempting the maintenance of the health of its students and the cultivation of a sound physique, the University makes provision for them when ill. It possesses two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical and other attendance, and medicines and board, free of charge."

RELIGIOUS SERVICES

The public duties of each day begin with religious exercises in Sayles Memorial Hall, at which all undergraduate students are required to be present. These exercises are conducted by clergymen of different denominations. The clergymen conducting the chapel exercises during the academic year 1897-8 are as follows:

Rev. Wallace Nutting, Pastor of the Union Congregational Church; Rev. Willard C. Selleck, Pastor of the Church of the Mediator; Rev. Charles A. L. Richards, D. D., Rector of St. John's Protestant Episcopal Church; Rev. Augustus M. Lord, Pastor of the First Congregational Church; Rev. Robert Cameron, Pastor of the Fourth Baptist Church; Rev. Carter E. Cate, Pastor of the Roger Williams Free Baptist Church; Rev. E. Benjamin Andrews, D. D., LL. D., President of the University.

All students are desired to attend divine worship on Sunday.

The Brown University Young Men's Christian Association has meetings on Wednesday evenings during term time, to which all students are welcome. The Bishop Seabury Association (Protestant Episcopal), holds a service every Friday afternoon. Each class has its own meeting for prayer and conference on Friday afternoons.

The numerous courses of study in the department of Biblical Literature and History, while thoroughly scientific, are taught from religious and philanthropic as truly as from scientific motives, with the wish to render the oracles of the Christian religion more than they are or have ever been a source of intelligent delight and of high inspiration to educated men.

LECTURES

BROWN UNIVERSITY LECTURE ASSOCIATION

An organization of graduates and friends of the University, called the Brown University Lecture Association, sustains each winter several courses of free public lectures upon topics in various departments. During the winter of 1896-97 the following courses were given:

Four lectures by Dr. Daniel G. Brinton, of Philadelphia, on "The Religions of Primitive People"; three lectures by Professor A. D. F. Hamlin, of Columbia University, on "Palaces, Ancient and Modern"; two lectures by Professor Louis C. Elson, of the New England Conservatory of Music, on "How to Listen to an Orchestra"; four lectures by Professor C. T. Winchester, of Wesleyan University, on "Four English Poets"; one lecture by Professor Hermon C. Bumpus, of Brown University, on "Certain Practical Applications of the X Rays."

For the present season, arrangements have been made, in connection with the "American Committee for the Organization of Lectures in the History of Religion," in accordance with which a course of six lectures on "Religious Life and Thought among the Hebrews in Post-Exilic Days" will be given by Dr. Thomas K. Cheyne, Canon of Rochester Cathedral and Oriel Professor of the Interpretation of Holy Scripture in the University of Oxford. For admission to these lectures a small fee will necessarily be charged. Other courses, without charge for admission, are expected to follow. The public are cordially invited to attend. Persons desiring further information or wishing to become sustaining members of the association are requested to communicate with the secretary, Professor J. Franklin Jameson, 196 Bowen street.

OTHER LECTURES

In addition to the lectures under the auspices of the Lecture Association, many of those given before the various clubs of the University are open to the public. During the year 1896-97 the most important addresses before the Philosophical Club were that by the Swami Saradananda on "The Philosophy of India," and the annual address by Professor George T. Ladd, of Yale University, on "The Teleology of Knowledge." Before the Biological Club: Dr. C. V. Chapin, "Methods of Disinfection," "Antitoxin and Diphtheria;" Dr. G. T. Swarts, "Tuberculosis" and "Diseases of the Skin;" Dr. G. L. Collins, "Diseases of the Breast;" Dr. J. W. Keefe, "The Diseases of the Bones." Before the Biblical Research Club were delivered: "Christ's Own Interpretation of the Atonement," by the Rev. Floyd W. Tompkins, of Providence; "Approximate Dates of the Literature of the Old Testament," by Professor Charles F. Kent, of Brown University; "The Time of the Macabees," by the Rev. T. D. Anderson, D. D., of Providence; "The Age of Tradition—Jewish Literature from 200 B. C. to 400 A. D." by Rabbi D. Blaustein, of Providence; and "Assyriology and the Old Testament," by Professor D. G. Lyon, of Harvard University.

EXAMINATIONS, STANDING

RECORDS OF STANDING

The standing of students is indicated by capital letters as follows:

H is assigned to those whose work has been extraordinarily good.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass on the subject.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

Abs is assigned to those who are absent from examination, unless *F* has already been assigned.

Whenever a student's absence from examination has not been excused by the Committee on Absences, the mark *Abs* is changed to *F*.

TERM EXAMINATIONS

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or, if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an

elective course, he may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

A student who receives the mark *F* is not allowed a special examination on work done under a tutor, unless he satisfies the head of the department that he is probably prepared for the examination, arranges with the Registrar a satisfactory date for the examination, and obtains from the Registrar written permission, for which a fee of two dollars is charged.

A student excused by the Committee on Absences from a regular examination is allowed a special examination, if he obtains written permission from the Registrar.

A student is not, unless excused by the Committee on Absences, allowed more than one special examination in a subject.

All the above-mentioned special examinations are held at times appointed by the Registrar.

A student who is delinquent in the studies of a given year cannot, unless specially excused by the Faculty, begin the studies of the next year, until he has passed the required examinations.

A candidate for a degree who at the close of a term has failed in three or more studies, counting for more than eight hours of work per week, ceases to be a candidate for a degree.

REGISTRATION AND ATTENDANCE

All undergraduate students and resident graduate students who desire to attend the University during a given term are required to register at the Registrar's office on or before the first day of such term. Every undergraduate student registered or re-registered after the first day of any term is charged for such registration or re-registration a fee of five dollars, to be remitted only by the President, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned. The term reports sent to the parent or guardian of each student contain the record of all absences from required exercises.

REPORTS OF PROFICIENCY

A careful record is kept of the proficiency of every student of the University in his several studies. Of each undergraduate student the standing is determined at the close of each term. A report is sent to the parent or guardian of every undergraduate student, indicating his standing in each of his studies for the term, and announcing his deficiency in any study or studies if such deficiency exists.

APPOINTMENTS FOR COMMENCEMENT

Every member of the Senior class is allowed to present for Commencement an oration or a thesis. From the number of the papers presented the Professor of Rhetoric, on or before the second Wednesday in April, selects at least one-half of both the orations and the theses, and submits them to a committee consisting of the President of the University, the Professor of Rhetoric, and a third member elected each year by the Faculty. This committee select from the orations laid before them such, not exceeding ten in number, as in their judgement have sufficient merit to represent the University with credit at Commencement, regard being had also to the oratorical ability of the several writers as determined by their attainments in elocution. The committee select from the theses such as they deem deserving of particular mention, with reference to the special proficiency shown by the writers in the department of study which they treat, and to excellence in composition. The number of theses accepted cannot exceed that of the accepted orations. The names of the writers of the theses accepted are printed in the Commencement programme.

GRADUATE DEGREES

The degree of MASTER OF ARTS is granted under the following conditions: The candidate, already a Bachelor of Arts, of Philosophy, of Science, or of Letters, must have completed a thorough course, approved by the Faculty and the Board of Fellows, of liberal graduate study, sufficient in amount to constitute a fifth year of college work, and must have passed satisfactory examinations thereupon. By continuous residence at the University, candidates fulfilling the above conditions may receive the degree in one year; but in cases of partial or entire non-residence the degree will not be conferred until after two years of graduate study. Candidates for this degree registered as *in absentia* who yet desire some instruction at the University may receive such. They are required to register at the Registrar's office specially for the course or courses desired, fees being charged accordingly. See below, under "Expenses."

The degree of DOCTOR OF PHILOSOPHY is conferred under the following conditions: The candidate must be a Bachelor of Arts, of Philosophy, of Science, or of Letters. He must have resided at the University at least two years after graduation, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding his course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued. To receive this degree, one must further possess a good knowledge of Latin, French and German, unless for special reasons excused in respect to one or more of these languages. To test the candidate's proficiency in the use of these languages for the purpose of his special studies, he must be examined before the first day of December in the last year of his candidacy.

Any person wishing to become a candidate for either of the above degrees should communicate with the chairman or secretary of the Committee on Graduate Students, naming the departments in which he desires to study. For the degree of Doctor of Philosophy two courses at least are required, a Major and a Minor. The communication is laid before the heads of the departments concerned who, in conference with the applicant, arrange the work in detail. Every graduate student who wishes to enter any class or otherwise to

pursue any of his work in residence must like undergraduates register on the first day of the academic year.

A student desiring to receive at any given Commencement the degree of Master of Arts after one year's residence, must announce his wish to the secretary of the committee on Graduate Students, in writing, on or before the first day of the academic year preceding that Commencement, and must name in his application the department or departments of study in which he desires to be examined.

Every student who desires to receive at any given Commencement the degree of Master of Arts after two or more years of non-resident study, must make similar announcement on or before the first of October of the second year preceding that Commencement.

A student desiring to receive at any Commencement the degree of Doctor of Philosophy must make similar announcement on or before the first day of the second academic year preceding that Commencement.

A year of work for the degree of Master of Arts, unless performed in residence, cannot be counted as a year of work for the higher degree; and it is not necessarily so counted even when performed in residence.

The examinations of a candidate desiring to receive the degree of Master of Arts are held only when notification of the intention to appear for examination is given on or before April first of the year in which he presents himself for examination. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in type-written copy or print, before the first of April in that year. The approval of such thesis by the Faculty is essential to the attainment of the degree. Candidates for the degree of Master of Arts who have studied in residence must have their final examinations certified by their officers of instruction to the Committee on Graduate Students, before the second Wednesday in June. All other candidates for the degree of Master of Arts, and all candidates for the degree of Doctor of Philosophy, are examined publicly before the first of June by a committee of the Faculty.

For the University dues connected with graduate study, see below, under "Expenses."

ACADEMIC HOODS

The University has adopted the scheme for Hoods which was recommended at a meeting of representatives of many American Colleges held at Columbia College May 16, 1895.

1. *Color.* Black.

2. *Length.* The Bachelor's hood shall be three-fourths as long as the Master's. The Master's hood shall be of the customary length, not exceeding four feet; and the Doctor's hood shall be of the same length but have panels at the sides.

3. *Lining.* The hood shall be lined with BROWN.

4. *Trimmings.* The binding or edging, not more than six inches in width, shall be of silk, satin or velvet—the color to be distinctive of the Faculty to which the degree pertains, thus:—

Faculty of Arts and Letters, White.

Faculty of Theology, Scarlet.

Faculty of Law, Purple.

Faculty of Medicine, Green.

Faculty of Philosophy, Dark Blue.

Faculty of Science, Gold Yellow.

Faculty of Fine Arts, Brown.

Faculty of Music, Pink.

EXPENSES

Term bills are due, and must be paid or their payment secured, on presentation, at the beginning of each term.

REGULAR UNIVERSITY DUES

UNDERGRADUATE CANDIDATES FOR DEGREES

The dues of each undergraduate candidate for a degree are as follows:

Tuition, \$35 per term; \$105 per year.

General incidentals, \$15 per term; \$45 per year.

The incidental expenses are for the printing of programmes, examination papers, and the like, the use of the library and gymnasium, heat for these and for the halls and recitation rooms, and the wages of servants to care for the same. The charge is fixed as nearly as possible at the actual amount of these expenses on an average of several years.

Each undergraduate candidate for a degree pays, upon admission to the University, a matriculation fee of \$5.

Every member of the Senior class pays upon graduation a fee of \$8 for his diploma and other extra expenses connected with graduation.

For laboratory dues, see below.

For expenses of college rooms, see below.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals and laboratory fees (exclusive of breakage which is charged at cost) only half the usual term dues. Students leaving college on account of misconduct or failure in scholarship, receive no reduction.

SPECIAL STUDENTS

Special students in the University pay, as a rule, full tuition and incidentals, but the charge is proportionately less when students are admitted to courses of less than fifteen hours of class attendance a week.

GRADUATE STUDENTS

The fees for graduate students in residence are:

Tuition, \$50 per term.

Examination for the degree of MASTER OF ARTS, \$15.

Examination for the degree of DOCTOR OF PHILOSOPHY, \$25.

Laboratory dues, see below.

A candidate for the degree of DOCTOR OF PHILOSOPHY who has paid tuition for two years may, without additional charge, continue his studies for two years more if necessary to the attainment of his degree. A candidate in residence for the degree of MASTER OF ARTS who has paid tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of MASTER OF ARTS who, without remitting his studies, becomes a candidate for the degree of DOCTOR OF PHILOSOPHY is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

The fees for a candidate for the degree of MASTER OF ARTS *in absentia* are:

Registration fee, \$25.

Tuition, \$10 per term.

Examination fee, \$15.

For laboratory dues, see below.

A candidate *in absentia* is entitled, upon payment of the above fees, to pursue one three hour course at the University. For each additional one hour course \$5 is charged; for each additional two hour or three hour course, \$10.

A candidate *in absentia* who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for two years more without additional charge.

Graduate students not candidates for a degree pay for each course of one hour per week, \$5; for each course of two or three hours per week, \$10.

SPECIAL LABORATORY DUES

Except in chemistry, graduate students are charged \$5 per term for a three-hour laboratory course. No graduate student, however, whose tuition fees are paid is charged, aside from breakage, more than \$35 per term for all laboratory work.

CHEMISTRY

Candidates for a degree who take courses 1, 2, or 3 are charged for course 1, \$1; for course 2, \$2; for course 3, \$3.

Candidates for a degree who take advanced courses in analytical chemistry are charged \$10 per term for a three hour course and \$20 for a six hour course.

Graduate students pay the same fees as undergraduate candidates for degrees.

Special students who take no study except courses 1, 2, 3 in chemistry pay for these \$10 per term.

Special students who take no study except advanced courses in analytical chemistry are charged \$4 per term for each hour per week of prescribed attendance.

Special students must pay for a full term. No deduction is made on account of absence or withdrawal.

All students in the laboratory are charged for their individual breakage of apparatus. This charge usually ranges from \$1 to \$3.

PHYSICS AND ENGINEERING

Candidates for a degree who take courses in the physical laboratory pay \$5 a term for a three hour course.

Candidates for a degree who take shopwork pay \$10 per term.

Special students who take only shopwork pay \$4 per term for each hour per week of prescribed attendance.

BOTANY

Students who take courses in Botany pay \$3 each, per term.

COMPARATIVE ANATOMY

The charge for a laboratory course varies from \$2 to \$5.

GENERAL EXPENSES

The total expenses of students vary, of course, according to their habits, tastes and means, some students expending two or three times as much as others.

Subjoined are figures denoting the yearly expenses, including University dues, of several recent students, selected at random. In the case of one of these, \$250 paid for everything but board; in that of another, \$185 did the same. Two kept their total expenditure, including board and all else save clothing, down to \$265 apiece. Two others needed \$425 each, one year; \$435 and \$450, the next. Another required \$412.87, another \$475. Still another spent \$510 in his Freshman year, \$466 in his Sophomore year, both sums, however, including unusual amounts for traveling. So far as ascertained, the largest expenditure in recent years is reported by a member of the class of 1890, whose Freshman year cost him \$890, his Sophomore year \$730, his Junior year \$725.

The usual cost of board is from \$3 to \$5 per week. Most of the students do not pay over \$3.50, and good board can be obtained for \$3. Board with furnished rooms may be had in private families at from \$5 to \$10 dollars per week. Board is not furnished at the University; but a list, kept by the Steward, of eligible families in the city where board can be obtained, is always accessible to students.

THE BROWN UNIVERSITY COÖPERATIVE REFECTORY, organized and controlled by the students of the University, furnishes its shareholders with superior board exactly at cost. At present the price is \$3.60 per week. The shares number 120 and their par value is \$10 each. The Refectory is able to accommodate a few students who own no stock, and who pay for board \$4 per week. A number of shares in the Refectory are for sale at the end of each collegiate year, usually at prices not much above their par value.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so, by giving private instruction, by teaching in evening schools and by other occupations not necessarily inconsistent with their college duties.

DORMITORY ACCOMMODATIONS

Hope College, University Hall, Slater Hall and the new Maxcy Hall contain together one hundred and twenty-one single rooms and twenty suites. In addition there are, on or near the University grounds, the Messer House, the Howell House and the Brown Street House. These houses are controlled by the University and are used either wholly or mainly for dormitory purposes. They contain twenty-eight single rooms and three suites. The University thus presents for students' residences one hundred and forty-nine single rooms and twenty-three suites. All these rooms and suites are heated and cared for by competent servants.

Heat and service are charged for in addition to the rents listed in the tables on the following pages. The lowest charge for heat (single room) is \$15 per annum; the highest (suite) is \$30 per annum. The charge for service is from \$15 to \$21 per annum for each single room, and from \$24 to \$30 for each suite, according to the size and number of its rooms.

The rooms in Hope College, University Hall and Slater Hall, and those in the Howell, the Messer and the Brown Street House, are rented entirely unfurnished. Those in Maxcy Hall contain ample and substantial furniture, occupants having to provide nothing except bed-linen and towels.

In Hope College and in University, Slater and Maxcy Halls, each room has its gas meter, and its occupants are charged for the actual amount of gas used. This is of course in addition to rent, heat and service. In the Howell, Messer and Brown Street houses, on the contrary, the figure for rent in the following tables includes the cost of light, so that no separate charge for this is made.

beginning September, 189 . It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted.

Signed by _____ this _____ day of _____ 189 ; We (I) bind ourselves (myself) to the performance of the foregoing agreement, and guarantee the payment of any sums coming due thereunder.

Every student renting a college room for a year must either pay the whole year's bill for rent, heat and service, at or before his registration for the first term of the year; or else deposit with the Registrar at or before such first registration a satisfactory bond in the sum of \$250.

The following conspectus shows the rent and location of each dormitory room controlled by the University:

HOPE COLLEGE.					UNIVERSITY HALL.						
	Division	Floor	Windows Face	Bedrooms	Rent	No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	\$81	10	South	2	S. & W.	2	\$ 190
2	"	"	W. & S.		87	12	"	"	W.	None	75
3	"	"	W.		81	13	"	"	W.	"	75
4	"	"	E.		78	16	"	"	E.	"	60
5	"	2	E. & S.		81	17	"	"	E.	"	66
6	"	"	W. & S.		87	18	"	"	E. & S.	"	93
7	"	"	W.		81	19	"	3	S. & W.	2	180
8	"	"	E.		78	21	"	"	W.	None	72
9	"	3	E. & S.		72	22	"	"	W.	"	72
10	"	"	W. & S.		78	25	"	"	E.	"	60
11	"	"	W.		72	26	"	"	E.	"	60
12	"	"	E.		66	27	"	"	E. & S.	"	81
13	"	4	E. & S.		66	28	"	4	S. & W.	2	160
14	"	"	W. & S.		72	30	"	"	W.	None	60
15	"	"	W.		66	31	"	"	W.	"	60
16	"	"	E.		63	32	"	"	E.	"	57
17	Middle	1	E.		78	33	"	"	E.	"	57
18	"	"	W.		81	34	"	"	E. & S.	"	81
19	"	"	W.		81	36	North	1	W.	"	75
20	"	"	E.		78	40	"	2	W.	"	75
21	"	2	E.		78	41	"	"	W.	"	75
22	"	"	W.		81	43	"	"	W. & N.	2	190
23	"	"	W.		81	44	"	"	E. & N.	None	81
24	"	"	E.		78	45	"	"	E.	"	66
25	"	3	E.		66	46	"	"	E.	"	60
26	"	"	W.		72	47	"	3	W.	"	66
27	"	"	W.		72	48	"	"	W.	"	66
28	"	"	E.		66	50	"	"	W. & N.	2	180
29	"	4	E.		63	51	"	"	E. & N.	None	75
30	"	"	W.		66	52	"	"	E.	"	60
31	"	"	W.		66	53	"	"	E.	"	60
32	"	"	E.		63	54	"	4	W.	"	60
33	North	1	E.		78	55	"	"	W.	"	60
34	"	"	W.		81	57	"	"	W. & N.	2	156
35	"	"	W.		93	58	"	"	E. & N.	None	75
36	"	"	E.		93	59	"	"	E.	"	57
37	"	2	E.		78	60	"	"	E.	"	57
38	"	"	W.		81						
39	"	"	E. & N.		93						
40	"	"	E. & N.		93						
41	"	3	W.		66						
42	"	"	W.		72						
43	"	"	W. & N.		81	6		2	W. N.	None	65
44	"	"	E. & N.		81	8		12	N.	"	40
45	"	4	E.		63	10		3	E. S.	"	55
46	"	"	W.		66	11		"	S. W.	"	65
47	"	"	W. & N.		72	12		"	W. N.	"	55
48	"	"	E. & N.		72	13		"	W. N.	"	55

BROWN STREET HOUSE.

6	2	W. N.	None	65
8	12	N.	"	40
10	3	E. S.	"	55
11	"	S. W.	"	65
12	"	W. N.	"	55
13	"	W. N.	"	55

MAXCY HALL.

No.	Floor	Windows Face	Rent
201	2	E.	\$105
202	"	"	105
203	"	E. & S.	105
204	"	W. & S.	100
205	"	W.	100
206	"	"	100
207	"	"	100
208	"	"	100
209	"	W. & N.	100
210	"	E. & N.	105
211	"	E.	105
212	"	"	105
313	3	"	105
314	"	"	105
315	"	E. & S.	105
316	"	W. & S.	100
317	"	W.	100
318	"	"	100
319	"	"	100
320	"	"	100
321	"	W. & N.	100
322	"	E. & N.	105
323	"	E.	105
324	"	"	105
425	4	"	105
426	"	"	105
427	"	E. & S.	105
428	"	W. & S.	100
429	"	W.	100
430	"	"	100
431	"	"	100
432	"	"	100
433	"	W. & N.	100
434	"	E. & N.	105
435	"	E.	105
436	"	"	105

SLATER HALL.

No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. S. & W.	2	\$200
2	"	"	E. & W.	1	150
3	"	2	E. S. & W.	2	200
4	"	"	E. & W.	2	185
5	"	3	E. S. & W.	2	190
6	"	"	E. & W.	2	185
7	"	4	E. S. & W.	1	125
8	"	"	W.	None	87
9	"	"	W.	"	57
10	North	1	E. W.	2	185
11	"	"	E. W. & N.	2	185
12	"	2	E. W.	2	185
13	"	"	W.	None	51
14	"	"	W. N. E.	2	200
15	"	3	W. E.	2	181
16	"	"	W.	None	47
17	"	"	W. N. E.	2	190
18	"	4	E.	None	53
19	"	"	W.	"	82
20	"	"	W. N. E.	1	111

MESSER HOUSE.

1	1	E. S.	None	60
2	"	S. W.	"	60
3	"	W.	"	50
4	"	E.	"	60
5	"	W.	"	25
6		TRUNK ROOM.		
7	2	E. S.	None	65
8	"	S. W.	"	65
9	"	E.	"	45
10	"	W.	"	65
11	"	E.	"	45
12	"	W. N.	"	50
13	3	W.	"	15
14	"	W.	"	15
15	"	E.	"	25
16	"	N.	"	20

HOWELL HOUSE.

1	1	S. & E.	None	100
2	"	S.	"	70
3	"	E. & W.	"	30
4	"	N.	"	56
5	"	S. & E.	1	80
6	"	S.	None	70
7	"	N.	1	75
8	"	E. & S.	None	45
9	"	S. & E.	"	15

DIRECTORY TO THE DORMITORIES

Slater Hall, South Division, Rooms 1 to 9.
 Slater Hall, North Division, Rooms 10 to 20.
 University Hall, South Division, Rooms
 1 to 34.
 University Hall, North Division, Rooms
 35 to 61.
 Hope College, South Division, Rooms 1 to 16.
 Hope College, Middle Division, Rooms 17 to 32.

Hope College, North Division, Rooms 33 to 48
 Maxcy Hall, Rooms 201 to 436.
 Messer House, Rooms 1 to 16.
 Brown Street House, Rooms 4 to 13.
 Howell House, Rooms 1 to 9.
 The Howell, Brown Street and Messer Houses
 were private residences. In them the rent
 for each room includes gas for the same.

FELLOWSHIPS AND SCHOLARSHIPS

THE FELLOWSHIP OF THE GRAND ARMY OF THE REPUBLIC

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the fund can be used. This income goes to aid alumni of Brown University, of acknowledged excellence in scholarship and character, to pursue advanced liberal study; the intention is that the income for any year shall all go to the same person, except in case of his death, or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union veterans of the Civil War of 1861-65 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be re-appointed. The President is authorized to make for the reception and use of the income from this fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper.

Applications for the fellowship must be in the hands of the President on or before May 15th.

The Grand Army of the Republic Fellow for 1897-98 is

FREDERIC EARLE WHITAKER.

THE PHILADELPHIA ALUMNI FELLOWSHIP

This is another fund, to be ten thousand dollars, which the Philadelphia Alumni Association of Brown University will soon render available. Its general purpose is to assist graduate students of special ability in pursuing advanced studies at the University.

SCHOLARSHIPS

The University has about one hundred scholarships. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; but a scholarship is forfeited if the holder incurs college censure or fails to secure a creditable standing in his studies.

The following scholarships, seventy-three in number, are of one thousand dollars each; with the exceptions indicated, they bear the name of their founders:

THE ELEVEN NICHOLAS BROWN SCHOLARSHIPS.

THE FOUR UNIVERSITY SCHOLARSHIPS.

THE PRESIDENT'S (SEARS) SCHOLARSHIP.

THE SIX ALVA WOOD SCHOLARSHIPS.

THE JAMES H. DUNCAN SCHOLARSHIP.

THE ISAAC DAVIS SCHOLARSHIP.

THE ARNOLD WHIPPLE SCHOLARSHIP, founded by Mrs. Arnold Whipple.

THE EPHRAIM WHEATON SCHOLARSHIP, founded by James Wheaton.

THE JOSEPH BROWN SCHOLARSHIP, founded by Mrs. E. B. Rogers.

THE GARDNER COLBY SCHOLARSHIP.

THE CROCKER SCHOLARSHIP, founded by Robert H. Ives and Thomas P. Ives, trustees.

THE CLARK SCHOLARSHIP, also founded by the Messrs. Ives.

THE GEORGE K. AND H. A. PEVEAR SCHOLARSHIP.

THE JOSEPH C. HARTSHORN SCHOLARSHIP I.

THE ROGERS HIGH SCHOOL SCHOLARSHIP, founded by William Sanford Rogers.

THE JAMES WHEATON SCHOLARSHIP.

THE CHARLES THURBER SCHOLARSHIP.

THE PARDON MILLER SCHOLARSHIP, founded by Mrs. Ann E. Miller.

THE HEZEKIAH S. CHASE SCHOLARSHIP.

THE WILLIAM BUCKNELL SCHOLARSHIP.

THE AUSTIN MERRICK SCHOLARSHIP, founded by Mrs. Olive E. Merrick.

THE HORATIO N. SLATER SCHOLARSHIP.

THE EARL P. MASON SCHOLARSHIP.

THE NEWPORT SCHOLARSHIP, founded by William Sanford Rogers.

THE ALEXIS CASWELL SCHOLARSHIP.

THE THREE (HENRY) JACKSON SCHOLARSHIPS.

THE MUMFORD SCHOLARSHIP, founded by Mrs. Louisa D. Mumford.

THE ALBERT DAY SCHOLARSHIP.

THE HENRY P. KENT SCHOLARSHIP.

THE ROMEO ELTON SCHOLARSHIP.

THE FIVE ANNIE E. WATERS SCHOLARSHIPS.

THE L. FAIRBROTHER SCHOLARSHIP, founded by Mrs. L. Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP.

THE JOHN P. CROZER SCHOLARSHIP, founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP.

THE TWO S. S. BRADFORD SCHOLARSHIPS.

THE FRANCIS R. ARNOLD SCHOLARSHIP.

THE CORNELIA E. GREEN SCHOLARSHIP.

THE HENRY CLIFFORD KNIGHT SCHOLARSHIP, founded by Miss Amelia S. Knight, in memory of her brother, a member of the class of 1875.

THE THURSTON SCHOLARSHIP, founded by the Hon. Benjamin F. Thurston, LL. D., of the class of 1849.

THE RUFUS BABCOCK SCHOLARSHIP, founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, Rev. Rufus Babcock, D. D., of the class of 1821.

THE JAMES FLETCHER BLACKINTON SCHOLARSHIP, founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

THE FIVE WILLIAM A. WHITE SCHOLARSHIPS, founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

THE RICHARDS SCHOLARSHIP, founded by the Rev. William Coolidge Richards, of the class of 1837.

Besides the above scholarships there are others the assignment of which is made subject to special provisions. These are as follows :

THE BARTLETT SCHOLARSHIP, of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

THE GLOVER SCHOLARSHIPS, of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839." Assignment is made upon the basis of character and attainments.

THE REBECCA A. WHEELER SCHOLARSHIP, of fifteen hundred and seventy-one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

THE SCHOLARSHIP OF THE CLASS OF 1838, of thirty-eight hundred dollars, founded by members of the class of 1838, and assigned upon the basis of character and scholarship.

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP II, of two thousand dollars, founded by the gentleman whose name it bears.

THE GEORGE J. SHERMAN SCHOLARSHIPS I AND II, of one thousand dollars each, founded by the gentleman whose name they bear.

THE S. DRYDEN PHELPS SCHOLARSHIP, of one thousand dollars, founded by the Rev. S. Dryden Phelps, D. D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

THE BANIGAN SCHOLARSHIPS I AND II, of twenty-five hundred dollars each, founded by Joseph Banigan; the income, as far as necessary, to be used each year to defray the tuition of two students of the University. The founder reserves "the right to nominate the persons to have the benefit of these scholarships, the nominees always to be satisfactory to the authorities of the University, and subject to the rules which it prescribes for all holders of its scholarships."

THE GEORGE IDE CHACE SCHOLARSHIP, of five thousand dollars, founded by Professor George Ide Chace; the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

THE ABBY WHEATON CHACE SCHOLARSHIP, of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

If either in the Senior or in the Junior class there chances to be no person fulfilling the requirements, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

For the year 1897-98 the George Ide Chace Scholarship was awarded to

LOUIS ALLEN CROCKER.

and the Abby Wheaton Chace Scholarship to

BERNARD CAPEN EWER.

LOAN FUND

This is a small fund the income of which is applied in the way of small loans for short terms, to the assistance of deserving students of limited means.

PREMIUMS AND PRIZES

FOR EXCELLENCE IN PREPARATORY STUDIES

THE PRESIDENT'S PREMIUMS

These are derived from the income of a fund presented to the University by the Rev. Francis Wayland, D. D., while President. They are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to college in Greek, Latin and French. For the highest attainment in each of these studies a first premium of twenty dollars is awarded; for the next highest, a second premium of ten dollars.

The examinations for the premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Great importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate and idiomatic English.

The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday.

The award of these premiums for the present year was as follows:

GREEK

The First Premium to HOWARD OSCAR WINSLOW, instructed by William T. Peck, Sc. D., in the Providence High School.

The Second Premium in equal parts to HARVEY NATHANIEL DAVIS, instructed by William T. Peck, Sc. D., in the Providence High School, and ERNEST TROWBRIDGE PAINE, instructed by William Overton, A. M., in the Central Falls High School.

LATIN

The First Premium to HOWARD OSCAR WINSLOW, instructed by William T. Peck, Sc. D., in the Providence High School.

The Second Premium to VERGIL STANLEY MILLIKIN, instructed by William T. Peck, Sc. D., in the Providence High School.

FRENCH

The First Premium to HOWARD OSCAR WINSLOW, instructed by Miss Harriet M. Hathaway, A. B., in the Providence High School.

A collateral First Premium for an examination of equal merit to GENEVIEVE PARTRIDGE, instructed by Miss Ellen L. Robinson, in the Woonsocket High School.

The Second Premium to EDWARD TUDOR GROSS, instructed by Howard M. Rice, A. M., in the English and Classical School, Providence.

THE HARTSHORN PREMIUMS

These are derived from the income of a fund of one thousand dollars, presented to the University by Joseph C. Hartshorn, A. M., of the class of 1841. The income furnishes three premiums, which are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term.

The award of these premiums for the present year was as follows:

The First Premium to HARVEY NATHANIEL DAVIS, instructed by Miss Emily Meader, A. B., in the Providence High School.

The Second Premium to HOWARD OSCAR WINSLOW, instructed by Miss Emily Meader, A. B., in the Providence High School.

The Third Premium to THACHER HOWLAND GUILD, instructed by Miss Emily Meader, A. B., in the Providence High School.

FOR EXCELLENCE IN COLLEGE STUDIES

THE CARPENTER PRIZES FOR ELOCUTION

These prizes of sixty, thirty-six and twenty-four dollars, are derived from the income of a fund established by Thomas Carpenter, and are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is

made by a committee appointed for the purpose, and after a public contest held on the Monday evening before Commencement.

The competitors must be members of the Sophomore class. They may declaim pieces in either prose or verse, selected from English authors. These selections must be approved by the Instructor in Public Speaking. Competitors are to enter their names with this instructor not later than the first day of February. The contest to select the speakers takes place the latter part of the winter term.

The Committee of Award consists of five members, and is formed as follows: the Professor or the Instructor in Public Speaking, who is the chairman; two persons elected by the Corporation; and two by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible.

The Committee for 1897 awarded the prizes as follows:

The First Prize to WALLACE RUTHERFORD LANE.

The Second Prize to GEORGE ALBERT GOULDING.

The Third Prize to GEORGE DUDLEY CHURCH.

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

These are derived from the income of a fund presented to the University by the Hon. Ratcliffe Hicks, of the class of 1864. They are annually awarded to the two members of the Junior class who, in the judgment of a carefully selected committee, display the greatest ability in debate. The contest is held on the evening before Class Day.

For the year 1897 the prizes were awarded as follows:

The First Prize to SMITH LEWIS MULTER.

The Second Prize to JAMES HENRY HIGGINS.

THE DUNN PREMIUM

A fund amounting to somewhat over eight hundred dollars was presented to the University by pupils and friends of the late Professor Robinson Potter Dunn, D. D., the income to be given, at the end of the Junior year, to the student having the highest

standing in rhetorical studies, "rhetorical studies" meaning here those in the department of Rhetoric and Oratory. The nomination for the premium is made by the officers in this department, and has regard to the number of studies which competitors have taken as well as to the rank which they have attained therein.

For the year 1896-97 the premium was awarded to

FRED ANDREW SMART.

THE CARPENTER PREMIUMS

These two premiums, of sixty dollars each, are derived from the income of a fund established by Thomas Carpenter and Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life—ability, character and attainment.

For the year 1896-97 the Carpenter Premiums were awarded to

GREGORY DEXTER WALCOTT

and

JOHN HARRINGTON COX.

THE HOWELL PREMIUM

This fund, amounting to one thousand dollars, was presented to the University by the late Gamaliel Lyman Dwight. The income is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, each term from the Freshman year to the end of the second term in the Senior year, select at least one of the elective studies offered in Pure or Applied Mathematics.

For the year 1896-97 this premium was awarded to

MARCUS WARD LYON JR.

THE CLASS OF 1873 PRIZE

A fund amounting to five hundred dollars was presented to the University by the class of 1873, on the condition that its income should be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject being of an historical nature one year, of a philosophical nature the next. In 1897 it was philosophical.

On commencement Day, June 16, 1897, the President announced the award of this prize to

EDWIN CORNELIUS BROOME.

THE FOSTER PREMIUM IN GREEK

This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late Hon. LaFayette Sabine Foster, LL. D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad or in the oration of the Crown by Demosthenes."

The next examination, open to the members of the Senior class, will be held early in May, 1898. Candidates will be examined in the Iliad.

On Commencement Day, June 16, 1897, the President announced the award of the prize to

JAMES TUCKER JR.

With honorable mention of WINIFRED MANATT.

THE LUCIUS LYON PREMIUMS IN LATIN

These are derived from the income of a fund of five thousand dollars presented to the University by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year form the first premium,

three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded only as the result of a special examination held during the last term of the Senior year, and only for real merit. The examination may relate to the Latin language, Roman literature, Roman history, or partly to one of these subjects and partly to another or to both the others. The President of the University and the head of the Latin department prescribe for admission to the examination such conditions as in their judgement will secure the best results.

For the year 1896-97 the prizes were awarded as follows :

The First Prize to ALBERT ANGUS GRIFFIN.

A Collateral First Prize to FLORENCE POTTER CASE.

The Second Prize to JONATHAN TAYLOR.

The Third Prize to CHARLES AUGUSTUS HARRIS.

SENIOR ESSAY MEDAL

The National Society of the Sons of the American Revolution offers for competition at the annual Commencement, a silver medal, to be awarded by the Faculty on behalf of the society, for the best Senior essay containing not less than 1600 and not more than 2000 words, upon the principles fought for in the American Revolution. The medal bears the name of the winner and the name of the University. The competition at Brown University is in the charge of the department of Rhetoric and Oratory.

A copy of the prize essay from each institution where the competition occurs is sent to the President-General of the society. These essays are referred to a select committee of the society, which awards to the writer of the one it deems the most meritorious a gold medal, of the value of one hundred dollars.

In 1897 the silver medal was awarded to

CARL RUSSELL FISH.

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

In 1894 the widow and children of Hon. William Gaston, of the class of 1840, and afterward Governor of Massachusetts,

donated to the University the sum of three thousand dollars, from the income of which there is to be annually provided a gold medal bearing the name "William Gaston," to be awarded to that member of the graduating class "who shall write and at Commencement pronounce in English the best oration."

Any member of the Senior class, in good standing, may compete for the medal provided he has been five full terms at the University, and has regularly attended and faithfully performed the work in elocution and oratory required during the course, showing himself proficient as a speaker and writer. Each competitor is required to deposit in the Registrar's office, on or before noon of the first Monday in the Spring term, an oration of his own composition, type-written and signed with his name. No oration as completed for delivery may consist of more than one thousand words. Before it is delivered at Commencement each oration must be rehearsed at least five times before the Professor or Instructor in Oratory, such rehearsals to be completed at least one week before Commencement Day. At the first rehearsal each speaker is required to hand to the Professor in Rhetoric and Oratory an autograph copy of his oration for preservation in the University library.

The Committee of Award consists of three persons not members of the Faculty, to be selected as follows: one by the President of the University, one by the Faculty, and one by the contestants. No speaker at Commencement is permitted to make use of a prompter. The members of the committee take into account thought, composition and delivery.

On Commencement Day, June 16, 1897, the Gaston medal was won by

GREGORY DEXTER WALCOTT.

DEGREES CONFERRED IN 1897

DEGREES IN COURSE

THE DEGREE OF BACHELOR OF ARTS

ON

SAMUEL ADAMS	WILLIAM SETCHELL LEARNED
ARTHUR MOULTON ALLEN	CHARLES ERVIN LEWIS
HORATIO CUSHING ALLEN	CLARENCE HART LINGHAM
SERIL CLEMENCE ARMSTRONG	BENJ. THOMSON LIVINGSTON
FRED ATWELL ARNOLD	HERBERT ALLEN MATTESON
WILLIAM JOHN BALLOU	WILLIAM VINCENT MCCREADY
ROSCOE HOSMER BELKNAP	ARTHUR MILTON MCCRILLIS
HENRY WELLS NEWELL BENNETT	HOWARD TUCKER METCALF
CHARLES KNOWLES BIDWELL	HERBERT CLEVELAND MILLER
GEORGE MILES BLISS	GEORGE LELAND MINER
FRED EMERSON BRIGGS	WILLIAM JAMES NOBLE
HOWARD BOWEN BRIGGS	JAS. ROBERTS DECREVI OLDHAM
ARTHUR HALE CHAMBERLAIN	CHARLES DEXTER OWEN
MARION McALLISTER CLARKE	THOMAS EDWARD OWENS
CHARLES EUGENE CLIFT	WILLIAM BURGESS PECK
WILLIAM COLEMAN	WILLIAM TORREY PECKHAM
ELIJAH WILLIAM COLLINS	JOHN ESTEY WARNER PIDDOCK
GEORGE RICE COUGHLAN	JARED HARVEY RANDALL
EBEN CREIGHTON	JOHN DAVISON ROCKEFELLER JR.
JOHN HOWARD DEMING	FRANCIS AUGUSTUS RUGG
ROBERT STEPHEN EMERSON	FRANK PAGE SACKETT
WILLIAM MILNES FAUX	WILBUR ALLEN SCOTT
CARL RUSSELL FISH	WALTER CYRUS SHERMAN
TIMOTHY ALOYSIUS FITZGERALD	GEORGE THURSTON SPICER
GEORGE STEPHENSON FOX	HIRAM AUSTIN STEARNS
GEORGE WILSEY GATES	HARRY GRIFFIN STEPHENS
WILL FRIEND GEISLER	HERBERT LEWIS SWAN
HERLWYN RUGGLES GREEN	JONATHAN TAYLOR
ALBERT ANGUS GRIFFIN	CHARLES WAYLAND TOWNE
SANFORD KEITH GURNEY	JAMES TUCKER
AUGUSTIN POWELL HAMLIN	GREGORY DEXTER WALCOTT
CHARLES AUGUSTUS HARRIS	BYRON SPRAGUE WATSON
RALPH BERTRAM HARRIS	FRANK ROWLAND WHEELER
SIDNEY DANIELS HUMPHREY	GUY MONTROSE WHIPPLE
FRANK OSCAR JONES	CHARLES ERNEST WHITE
JOHN JOSEPH LACE	DAVID MITCHELL WHITE

JOSEPHINE ANGELL BEANE
 MARTHA SHEPARD BRIGGS
 FLORENCE POTTER CASE
 NELLIE FRANCIS COOKE
 EDNA FRANCES DAVIS
 RUTH STORY DEVEREUX
 ALICE LOUISE GARDNER
 CLARA ANGELA GOMBERG

BERTHA BEATRICE GRANT
 WINIFRED MANATT
 SARAH MABEL OSBORN
 LINDA RICHARDSON
 RUTH SMITH ROUNDY
 JESSIE GOODWIN TIFFANY
 CAROLINE LUELLA TUTHILL
 CLARA WHITEHEAD

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

CHARLES HENRY ALLEN
 CHESTER WILLARD ALLEN
 MARTIN HOLLIS ARNOLD
 JAMES HOPE ARTHUR
 WALDO REYNOLDS BARTLETT
 HORACE GREELEY BISSELL
 EDWIN CORNELIUS BROOME
 CLARENCE RHODES BUDLONG
 ALLEN HERBERT CHASE
 EVERETT COLBY
 MAURICE HOWE COOKE
 ARTHUR MAXSON COTTRELL
 JOHN HARRINGTON COX
 LEFFERTS MASON DASHIELL
 ALBERT ORSON FOSTER
 CHARLES WILSON GOODWIN
 RUSSELL GRINNELL

WILLIAM ANDREW HARRIS
 GEORGE COGGESHALL HATCH
 RUSSELL HATHAWAY
 DANIEL FRANKLIN HOLMES
 LEONARD WHEATON HORTON
 MARCUS WARD LYON JR.
 CHARLES MCCARTHY
 MARCIUS HAROLD MERCHANT
 ISAAC BUTTS MERRIMAN
 CHAS. LESLIE FAIRBANKS PAULL
 WALTER DABNEY PHILLIPS
 JOSEPH CHANDLER ROBBINS
 HARRIS ELWOOD STARR
 ARTHUR CROWELL STONE
 WILLIAM HENRY THORNLEY
 ERNEST EDWARD TYZZER
 HOWARD HARRIS UTLEY

ROSSELL STORRS WILCOX

LOUISE MARY JANE BROUGH
 EDITH MARIA BROWN
 MARY ARNOLD BROWNELL
 IDA ELLIS HAWKINS
 MINNIE HANNAH HOUGH

SADIE EMMA MCCREADY
 SARAH ETHELYN MERRILL
 ANNA LOUISE METCALF
 MABEL LOUISE POTTER
 EDA MAY ROUND

MARY DREW VAUGHAN

THE DEGREE OF BACHELOR OF SCIENCE

ON

RAYMOND CLEVELAND ALLEN ARVID REUTERDAHL
 FRANK ELBERT WATSON

THE DEGREE OF MECHANICAL ENGINEER

ON

ARTHUR FRANCIS BALLOU

HOWARD MASON VAN GELDER

THE DEGREE OF CIVIL ENGINEER

ON

FRANK BALLOU FOLLETT

THE DEGREE OF BACHELOR OF ARTS

in connection with his class

ON

EDWARD LEWIS OSGOOD

THE DEGREE OF MASTER OF ARTS

After Examination

ON

CARROLL HARRY ASH, Ph. B.	EDWIN COLLINS FROST, A. B.
JUSTIN HOMER BACON, A. B.	GEORGE FREDERICK FROST, A. B.
EDWARD OTIS BARTLETT JR., A. B.	ELIZABETH WATSON KENYON, A. B.
ALLAN BUELL BICKNELL, A. B.	EDWARD ALLEN LOCKE, Ph. B.
ISABEL WARWICK BLISS, A. B.	STEWART ALFRED McCOMBER, Ph. B.
JOSEPH RICHARD BULLOCK JR., Ph. B.	HAVEN METCALF, A. B.
FREDERICK OTIS CLAPP, A. B.	MARIA STORRS PECK, Ph. B.
CLARA ELIZABETH COMSTOCK, Ph. B.	WILLIAM EDWARD PRICE, A. B.
CHARLES HOBEN DAY, A. B., A. M.	ALGERNON WAIT PUTNAM, Ph. B.
ROBERT HARVEY DAY, A. B.	WILL AUSTIN ROBINSON, A. B.
JAY ROGERS DICKINSON, Ph. B.	WALTER HERBERT RUSSELL, A. B.
SARAH MARIA FISHER, A. B.	HOWARD CYRUS TILTON, A. B., Sc. B.

THE DEGREE OF DOCTOR OF PHILOSOPHY

After Examination

ON

EDMUND CODY BURNETT, A. B., A. M.

History, Greek, Political Economy

THESIS: The History of the Government of Federal Territories

MARTHA TARBELL, A. B., A. M.

German, English

THESIS: The German Ballad

HONORARY DEGREES

THE DEGREE OF MASTER OF ARTS

ON

ELISHA DYER
WILLIAM CAREY JOSLIN
WILLARD SPENCER ALLEN

THE DEGREE OF DOCTOR OF SCIENCE

ON

BENJAMIN FRANKLIN CLARKE

THE DEGREE OF DOCTOR OF LAWS

ON

JOHN HAY

STUDENTS

GRADUATES

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

ALLAN BUELL BICKNELL	<i>Providence</i>	30 Arch St.
A. B. Brown University 1896; A. M. 1897 Latin, Greek		
JOHN ELOF BOODIN	<i>Pawtucket</i>	15 Church St.
A. B. Brown University 1895; A. M. 1896 Metaphysics, Psychology, Ethics		
JOSEPH RICHARD BULLOCK	<i>Providence</i>	30 Lockwood St.
A. B. Brown University 1896; A. M. 1897 Romance Languages, English Literature, Political Science		
CLARA ELIZABETH COMSTOCK	<i>Providence</i>	550 Broad St.
Ph. B. Brown University 1895; A. M. 1897 English, Philosophy, Romance Languages		
CHARLES HOBEN DAY		33 Benevolent St.
A. B. Brown University 1888; A. M. 1897 Philosophy, Sociology		
WILLIAM HOLDEN EDDY	<i>Providence</i>	49 Bradford St.
A. B. Brown University 1892; A. M. 1893 German, Romance Languages		
ADOLPH CONRAD ELY	<i>Plantsville, Ct.</i>	Watertown, Mass.
A. B. Brown University 1894; A. M. 1895 German, Romance Languages		
MILLER MOORE FOGG JR.	<i>Providence</i>	40 Angell St.
A. B. Brown University 1894; A. M. 1895 English, Rhetoric		
EDWIN COLLINS FROST	<i>Providence</i>	207 Smith St.
A. B. Brown University 1890; A. M. 1897 English, German, Romance Languages		
JOHN FRANCIS GREENE	<i>Seekonk, Ms.</i>	22 University Hall
A. B. Brown University 1891 Latin, History, German, Italian		

- ALBERT BUSHNELL JOHNSON *East Providence* East Providence
A. B. Brown University 1891; A. M. 1892
Romance Languages, German
- ERNEST HENRY JOHNSON *East Providence* Chelsea, Mass.
A. B. Brown University 1891; A. M. 1892
German, Romance Languages
- AUSTIN HERBERT KEYES, *Auburn* Auburn
Ph. B. University of Maine 1897
Greek, Latin
- LEWIS HAMILTON MEADER *Providence* 88 Andem St.
A. B. Dartmouth College 1878; A. M. Brown University 1894
History, Political Science
- WILLIAM OVERTON *Pawtucket* Berlin, Germany
A. B. Brown University 1887; A. M. 1890
German, History, Philosophy
- WILLIAM EDWARD PRICE *Providence* 30 Congdon St.
A. B. Brown University 1896; A. M. 1897
Social and Political Science
- ARVID REUTERDAHL *Providence* 325 Willard Ave.
Sc. B. Brown University 1897
Philosophy, Physics
- SIDNEY ALGERNON SHERMAN *Providence* 138 Olney St.
A. B. Amherst College 1885
Social Science, Political Science, Political Economy
- JOHN SMITH SHIPPEE *East Greenwich* East Greenwich
A. B. Brown University 1894
Latin, Greek
- FREDERIC SLOCUM *Providence* 229 Morris Ave.
A. B. Brown University 1895; A. M. 1896
Astronomy, Mathematics
- HOWARD CYRUS TILTON *Providence* 176 Williams St.
A. B., Sc. B. Shurtleff College 1895; A. M. Brown University 1897
Philosophy, Pedagogy
- FREDERIC EARLE WHITAKER *Woonsocket* 33 Benevolent St.
A. B. Brown University 1888; A. M. 1892
Greek, Latin, Classical Archaeology
- WALTER HARRIS YOUNG *Warren* Warren
A. B. Brown University 1890; A. M. 1892
Philosophy, Greek
- HERRICK PLATT YOUNG *Providence* 5 Chapin Ave.
A. B. Brown University 1887; A. M. 1890
Latin, Ancient History

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

1. Fully in residence

AMEY OWEN ALDRICH	<i>Providence</i>	8 Cushing St.
L. B. Smith College 1895		
Pedagogy, English		
JOSEPHINE ANGELL BEANE	<i>Olneyville</i>	275 Plainfield St.
A. B. Brown University 1897		
Pedagogy, Social Science, History		
HENRY WELLS NEWELL BENNETT	<i>Manchester, N. H.</i>	12 Congdon St.
A. B. Brown University 1897		
Comparative Anatomy		
DAVID BLAUSTEIN	<i>Providence</i>	20 Summer St.
Biblical Literature, Semitic Languages and History		
WILLIAM CARPENTER BLISS	<i>Providence</i>	19 College St.
A. B. Brown University 1896		
Pedagogy, Elementary Law, Political Economy		
EDITH SEVER BOARDMAN	<i>Central Falls</i>	115 Bagley St.
A. B. Wellesley College 1895		
Pedagogy, Greek, English Literature		
EDWIN CORNELIUS BROOME	<i>Central Falls</i>	10 Summer St.
Ph. B. Brown University 1897		
Pedagogy, Elementary Law, German		
LOUISE MARY JANE BROUGH	<i>Providence</i>	13 Pomona Ave.
Ph. B. Brown University 1897		
English Literature, French, German		
MARY ARNOLD BROWNELL	<i>Providence</i>	73 Prospect St.
Ph. B. Brown University 1897		
Fine Arts		
EDWARD EVERETT BUCKLIN	<i>Providence</i>	162 Clifford St.
Ph. B. Brown University 1896		
Political Science, Pedagogy, Chemistry		
MABELLE ALICE CAFFREY	<i>Providence</i>	46 Abbott St.
A. B. Brown University 1896		
Pedagogy, Latin, English		
FLORENCE POTTER CASE,	<i>Providence</i>	101 Somerset St.
A. B. Brown University 1897		
Pedagogy, History		
HOWARD DORRANCE DAY	<i>Providence</i>	216 Medway St.
A. B. Yale University 1893		
Physics, Mathematics		
ARTHUR LLEWELLYN ENO	<i>Charlotte, Vt.</i>	Saxtons River, Vt.
A. B. Brown University 1895		
English, Rhetoric		

ALICE LOUISE GARDNER A. B. Brown University 1897 English, Fine Arts	<i>Warren</i>	106 George St.
NETTIE SERENA GOODALE A. B. Brown University 1895 Philosophy, Political Economy	<i>Providence</i>	106 George St.
BERTHA BEATRICE GRANT A. B. Brown University 1897 Pedagogy, Latin, Greek	<i>Providence</i>	40 Providence St.
HERLWYN RUGGLES GREEN A. B. Brown University 1897 Chemistry, Comparative Anatomy	<i>Providence</i>	14 John St.
EMMA HELENA GREGORY A. B. Wellesley College 1891 English Literature, Pedagogy	<i>Providence</i>	29 Ann St.
MINNIE ARABELLA HALL A. B. Wellesley College 1880 Pedagogy, English Literature	<i>Providence</i>	417 Pine St.
CLARENCE GRANT HAMILTON A. B. Brown University 1888 Music	<i>Providence</i>	22 Portland St.
MARCUS WILSON JERNEGAN A. B. Brown University 1896 History, Political Economy	<i>Edgartown, Ms.</i>	66 Meeting St.
SADIE EMMA MCCREADY Ph. B. Brown University 1897 Pedagogy, History, English	<i>Providence</i>	98 Pitman St.
LESTER MESEROLL A. B. Brown University 1895 Biblical Literature, Oriental History	<i>Tiverton</i>	Tiverton
MARY JOSEPHINE MORONEY A. B. Wellesley College, 1897 Pedagogy, German	<i>Pawtucket</i>	209 Broadway
ALBERT SWIFT MORSE A. B. Brown University, 1896 Romance Languages, Latin	<i>Fairhaven, Ms.</i>	103 Hope St.
SARAH MABEL OSBORN A. B. Brown University 1897 Greek, German	<i>Warren</i>	Warren
CHARLES LESLIE FAIRBANKS PAULL B. Ph. Brown University 1897 Comparative Anatomy, Philosophy, Physics	<i>Somerset, Ms.</i>	63 Angell St.
MABEL LOUISE POTTER Ph. B. Brown University 1897 Comparative Anatomy, Social Science	<i>Fairhaven, Ms.</i>	280 Waterman St.

EDA MAY ROUND Ph. B. Brown University 1897 Pedagogy, Mathematics, Physics	<i>Providence</i>	139 Superior St.
ERNEST EDWARD TYZZER Ph. B. Brown University 1897 Comparative Anatomy	<i>Wakefield, Ms.</i>	31 Hope College
ARTHUR EUGENE WATSON A. B. Brown University 1888 Physics, Mathematics	<i>Providence</i>	30 Congdon St.
FRANK ELBERT WATSON Sc. B. Brown University 1897 Comparative Anatomy, Mathematics	<i>Springfield, Ms.</i>	35 Charles Field St.
ANNE TILLINGHAST WEEDEN A. B. Brown University 1894 German, Pedagogy	<i>Providence</i>	81 Brown St.
FRANK ROWLAND WHEELER A. B. Brown University 1897 Social and Political Science.	<i>Mystic, Conn.</i>	211 Maxcy Hall
CLARA WHITEHEAD A. B. Brown University 1897 Pedagogy, English, Mathematics	<i>Providence</i>	39 Kenyon St.
FLORENCE JOSEPHINE WHITING A. B. Brown University 1896 Pedagogy, Physics, History	<i>Plainville, Ms.</i>	106 George St.
NORA GIRALDA WRIGHT A. B. Bates College 1895 Pedagogy, English	<i>Olneyville</i>	Olneyville
II. Registered as <i>in absentia</i> yet resident near the University and able to enjoy certain of its privileges.		
HENRY WARD BEECHER ARNOLD A. B. Brown University 1893 Mathematics, Mechanics, Physics	<i>Valley Falls</i>	Valley Falls
MARIAN TOWNE BAKER A. B. Smith College 1896 German	<i>Providence</i>	48 Barnes St.
CAROLINE IDA DOANE A. B. Smith College 1892 Chemistry, Physics	<i>N. Attleborough, Ms.</i>	N. Attleborough
HEZEKIAH ANTHONY DYER Ph. B. Brown University 1894 Fine Arts	<i>Providence</i>	154 Power St.
EDWIN KNOWLES JR. Ph. B. Brown University 1894 Music	<i>Providence</i>	47 Stewart St.

FRANK EDWIN LAKEY	<i>Providence</i>	67 Wendell St.
A. B. Brown University 1894 Social Science, History, Pedagogy		
KATHERINE GERTRUDE LYNCH	<i>N. Attleborough, Ms.</i>	64 Allston St.
A. B. Smith College 1894 History, English, Pedagogy		
LILLIAN BURLEIGH MINER	<i>Providence</i>	84 Melrose St.
A. B. Wellesley College 1889 English		
ELIZA METCALF PEIRCE	<i>Providence</i>	507 Broadway
A. B. Smith College 1889 Philosophy, English		
JAMES ALDRICH PIRCE	<i>Johnston</i>	Johnston
A. B. Brown University 1892 History		
WILLIAM JOB REYNOLDS	<i>Providence</i>	169 Linwood Ave.
A. B. Brown University 1886 Oriental History		
LINDA RICHARDSON	<i>N. Attleborough, Ms.</i>	N. Attleborough
A. B. Brown University 1897 Latin		
ALICE RACHEL SHEPPARD	<i>Providence</i>	38 Congdon St.
A. B. Boston University 1892 Fine Arts		
EDITH HOLMES WILLISTON	<i>Providence</i>	18 Harrison St.
Ph. B. Brown University 1896 Pedagogy, Latin		
WALTER ALLEN YOUNG	<i>Providence</i>	69 Barnes St.
Ph. B. Brown University 1891 Ethics, Pedagogy		

III. Fully *in absentia*.

EMILY FRANCES ALLEN	Box 2177, <i>Boston, Ms.</i>
Ph. B. Boston University 1891 English Literature, History	
SHARONTON HALE BAKER	<i>Willimantic, Ct.</i>
A. B. Brown University 1883 Political Economy, Greek	
JOSIAH BARTLETT	<i>Poughkeepsie, N. Y.</i>
Ph. B. Brown University 1888 Mathematics, German	
WILLIAM ALVA BRADY	<i>Narragansett Pier.</i>
Ph. B. Brown University 1894 Biblical Literature	

- ARTHUR DEERING CALL *Elmira, N. Y.*
Ph. B. Brown University 1896
Social Science, Pedagogy
- CHARLES HENRY FORBES (1897-98 Berlin, Germany) *Andover, Ms.*
A. B. Brown University 1890
Latin, German, Archaeology
- HERSHEL LUTHER GARDNER 118 45th St., *New York City*
A. B. Columbia College 1892
History
- WILLIAM JOHN GREEN 63 Irving Place, *New York City*
A. B. Brown University 1891
Ethics, History
- IDA ELLIS HAWKINS *East Providence*
Ph. B. Brown University 1897
German, History, English
- GEORGE HOPKINSON *Perkinsville, Vt.* 194 Waterman St.
A. B. Brown University 1896
Pedagogy, Latin
- DANIEL HOWARD *Wallingford, Ct.*
A. B. Brown University 1893
History, Social Science, Political Economy
- ROBERT DOUGLAS HOYT Sta. M., *New York City*
A. B. University of Vermont 1894
Latin, History
- HAZEN KIMBALL 133 Willis St., *New Bedford, Ms.*
A. B. Brown University 1895
History, French, English
- EMOGENE MIRIAM MANNING *East Providence Centre*
A. B. Brown University 1896
Astronomy, Pedagogy
- GEORGE LINCOLN PARKER
A. B. Brown University 1896
Music
- HERBERT HOWARD RICE *Hartford, Ct.*
A. B. Brown University 1892
Political Economy, History
- LOUIS ALEXANDER ROUX *Cincinnati, O.*
A. B. Brown University 1894
Romance Languages, German

STUDENTS ON SPECIAL COURSES

- ELLEN CHASE GORDON *Amesbury, Ms.* 68 Brown St.
A. B. Middlebury College 1897
Pedagogy

- HATTIE ELMINA HUNT *Hubbardsville, N. Y.*, 53 Waterman St.
Ph. D. University of New York
Philosophy
- RUTH MITCHELL MANN *Central Falls* 284 Broad St.
A. B. Vassar College 1896
Pedagogy
- FLORENCE PASSMORE MOWRY *Woonsocket* 112 Providence St.
L. B. Mount Holyoke College 1896
Pedagogy
- CHARLOTTE LUSANNE TILLINGHAST *Providence* 260 Angell St.
Ph. B. Brown University 1896
Psychology
- KATHARINE UTTER WATERMAN *Providence* 172 Pleasant St.
A. B. Vassar College 1894
Fine Arts

UNDERGRADUATES

SENIOR CLASS

NAME	RESIDENCE	ROOM
Edward Lawrence Adams	<i>Ashland, Ms.</i>	23 Howell St.
James Sidney Allen Jr.	<i>E. Bridgewater, Ms.</i>	Slater 18
Audubon Arms	<i>East Greenwich</i>	East Greenwich
Frederick William Arnold Jr.	<i>Providence</i>	Slater 1
Harlan Judson Ballentine	<i>No. Attleboro'h Ms.</i>	University 34
Albert Armington Barrows	<i>Providence</i>	Slater 8
Dwight Kellogg Bartlett	<i>Providence</i>	Maxcy 316
Oren Nelson Bean	<i>Brentwood, N. H.</i>	Pease House 18
Charles Everett Bosworth	<i>Warren</i>	Warren
Pliny Arthur Boyd	<i>Woodbury, Ct.</i>	Hope 20
Charles Bradley Jr.	<i>Providence</i>	Slater 6
Arthur Mason Briggs	<i>W. Mansfield, Ms.</i>	Hope 1
Arthur Palmer Briggs	<i>Dighton, Ms.</i>	Pease House 18
Lyle Winters Brookings	<i>Du Quoin, Ill.</i>	117 E. Manning St.
William Henry Buffum	<i>Providence</i>	190 Hope St.
Thomas Jayne Burrage	<i>Portland, Me.</i>	Hope 5
William Hamlin Cady	<i>Providence</i>	Slater 7
Hazen Albert Calhoun	<i>Cambridgeport, Ms.</i>	Maxcy 426
Charles Carroll	<i>Providence</i>	131 Tockwotton St.
Melvin Francis Church	<i>Drownville</i>	69 John St.
John Winthrop Comey	<i>New York, N. Y.</i>	Slater 5
George Edgar Congdon Jr.	<i>Cranston</i>	University 57
Rufus Edward Corlew	<i>Cortland, N. Y.</i>	University 16
Gardner Cornett	<i>Providence</i>	Slater 6

NAME	RESIDENCE	ROOM
Henry John Corrigan	<i>Providence</i>	Hope 5
Frank Goodwin Crane	<i>Toledo, O.</i>	Hope 12
Louis Allen Crocker	<i>Brewster, Ms.</i>	University 53
Clinton Harvey Currier	<i>Manchester, N. H.</i>	Hope 46
Thomas Wesley Dammes	<i>New York, N. Y.</i>	Messer 15
Ernest Lincoln Darling	<i>Providence</i>	109 Jewett St.
Walter David DeVault	<i>Flourville, Tenn.</i>	University 30
Theodore Everett Dexter	<i>Central Falls</i>	Hope 27
George Leonard Drowne	<i>Providence</i>	University 21
Albert Milton Dunham	<i>Attleborough, Ms.</i>	Attleborough
Chas. DeMarcus Payne Eaton	<i>Providence</i>	24 Kenyon St.
Howard Wayland Farnum	<i>Chepachet</i>	Hope 9
Joseph Henry Farrell	<i>Pawtucket</i>	Pawtucket
Wirt T. Fellows	<i>McMinnville, Ore.</i>	21 Brown St. 6
John Kelsey Fenner	<i>Johnston</i>	University 34
John Burnham Ferguson	<i>Providence</i>	Hope 9
Marsden Rhodes Foster	<i>Boston, Ms.</i>	Maxcy 434
Ertelle Elwell Franklin	<i>Tioga Center, N. Y.</i>	Pease House 14
Robert Jaquith Fuller	<i>E. Westm' rel'd, N. H.</i>	112 George St.
David Louis Fultz	<i>Stanton, Va.</i>	Slater 20
John Ashley Gammons	<i>New Bedford, Ms.</i>	Hope 26
George Anthony Gaskill	<i>Worcester, Ms.</i>	University 49
Charles Henry George 2d	<i>Providence</i>	University 12
Howard Bowen Gorham	<i>Providence</i>	236 Knight St.
Warren Earl Greene	<i>Providence</i>	Hope 11
Arthur Moses Greenwood	<i>Ashburnham, Ms.</i>	University 19
William Taylor Grinnell Jr.	<i>Providence</i>	University 25
Arthur Leon Grover	<i>Portland, Me.</i>	Maxcy 203
Walter Amer Guile 2d	<i>Providence</i>	University 45
Wilford Jay Gunn	<i>Turner's Falls, Ms.</i>	112 George St.
Edward Stockbridge Gushee	<i>Cambridge, Ms.</i>	Hope 40
George Mackie Gustin	<i>Attleborough, Ms.</i>	Attleborough
Ephraim LeRoy Hart	<i>East Greenwich</i>	East Greenwich
Ratliffe George Earle Hicks	<i>Providence</i>	Hope 23
James Henry Higgins	<i>Pawtucket</i>	University 16
Frank Edward Hopkins	<i>Essex Junction, Vt.</i>	112 George St.

NAME	RESIDENCE	ROOM
Arthur George Host	<i>Providence</i>	12 Potters Ave.
Edward Feiling Hull	<i>Milbury, Ms.</i>	Maxcy 435
Harry Curtis Hull	<i>Milbury, Ms.</i>	Maxcy 435
Ernest Morrill Hunt	<i>Lakeport, N. H.</i>	21 Brown St. 8
Richard Rallston Hunter	<i>Mamoroneck, N. Y.</i>	Slater 17
Ralph Kingsley Hyde	<i>Providence</i>	250 Charles St.
George Francis Jenks	<i>Shelburne Falls, Ms.</i>	Slater 2
Luke Joseph Kavanaugh	<i>W. Springfield, Ms.</i>	Maxcy 313
John Henry Kelaghan	<i>Pawtucket</i>	University 16
Simon Sayles Lapham Jr.	<i>Providence</i>	Hope 22
William Lauder	<i>So. Norwalk, Ct.</i>	Slater 20
Charles Atwood Marsh	<i>Lynn, Ms.</i>	Maxcy 434
Lester Benjamin Mathewson	<i>Providence</i>	162 Holden St.
Clifford Elmore McGlaulin	<i>Mapleton, Me.</i>	Pease House A
George Alfred Mellen	<i>Lawrence, Ms.</i>	University 54
Francis Dionysius Monahan	<i>Boston, Ms.</i>	Maxcy 323
George Winfield Morris	<i>Johnston</i>	University 34
William Robert Morse	<i>Springfield, Ill.</i>	Slater 15
Smith Lewis Multer	<i>Charlotteville, N. Y.</i>	Hope 2
Dionysius Francis O'Brien	<i>No. Brookfield, Ms.</i>	112 George St.
Charles Eri Osborne	<i>Morrisville, N. Y.</i>	52 Benevolent St.
Bernard Wright Owen	<i>Portsmouth, N. H.</i>	Maxcy 316
Charles Edwin Paine	<i>Providence</i>	26 Oak St.
Fordyce Dexter Perkins	<i>Kennebunkport, Me.</i>	Hope 38
John Pettibone	<i>Bristol, Ct.</i>	112 George St.
Emory Lyon Place	<i>Providence</i>	University 27
Lewis Tew Place	<i>Providence</i>	Slater 2
Frank Albert Quimby	<i>Hills Grove</i>	Hope 14
Ernest Clinton Rowell	<i>N. Lawrence, N. Y.</i>	Hope 23
Woodbury John Scribner	<i>Epsom, N. H.</i>	Hope 23
George Herbert Sherwood	<i>Johnston</i>	Hope 23
Frederick Hubbard Sibley	<i>West Sutton, Ms.</i>	21 Brown St. 13
William Adams Slade	<i>Providence</i>	Hope 24
Fred Andrew Smart	<i>S. Portland, Me.</i>	University 28
Thomas Ellwood Steere	<i>Providence</i>	Slater 8
Edward Delano Stewart	<i>Mystic, Ct.</i>	Hope 45

NAME	RESIDENCE	ROOM
Franklin Keith Taft	<i>Providence</i>	Slater 11
Joseph Taylor	<i>Malton, Eng.</i>	University 28
Millett Taylor Thompson	<i>Providence</i>	204 Bowen St.
Andrew Samuel Thomson	<i>Alex'ndria Bay, N. Y.</i>	Hope 2
Walter Roy Tourtellot	<i>Olneyville</i>	Olneyville
George Francis Troy	<i>Providence</i>	Maxcy 203
George Edward Walker	<i>Lawrence, Ms.</i>	112 George St.
Stacy Reuben Warburton	<i>Pawtucket</i>	Maxcy 427
Hezekiah Church Wardwell	<i>Bristol</i>	33 Benevolent St.
John Edmund Wells	<i>Providence</i>	209 Montg'ery Ave.
Borden Durfee Whiting	<i>Providence</i>	Slater 1
Burtis Erwin Whittaker	<i>Sandy Creek, N. Y.</i>	University 28
Edwin Evans Wightman	<i>Pawtucket</i>	Pawtucket
Howell George Wilcox	<i>Providence</i>	513 No. Main St.
James Mickel Williams	<i>Waterville, N. Y.</i>	163 Brown St.
William Eugene Winchester	<i>Providence</i>	Hope 24.

JUNIOR CLASS

NAME	RESIDENCE	ROOM
Charles Bradbury Allen	<i>New London, N. H.</i>	Messer 13
Charles Duke Atkins	<i>Springfield, Ms.</i>	Hope 27
John Edward Babbitt	<i>Bellows Falls, Vt.</i>	Maxcy 429
Henry Duncan Bailey	<i>Carolina</i>	Maxcy 425
Dwight Wood Baker	<i>Providence</i>	48 Barnes St.
Russell Wightman Baker	<i>Providence</i>	Slater 13
William Edward Baker	<i>South Amboy, N. J.</i>	Messer 14
Howard Clark Barber	<i>Hope Valley</i>	University 31
Ralph Edmonds Barker	<i>Taunton, Ms.</i>	Maxcy 210
George William Baylis	<i>Brooklyn, N. Y.</i>	33 Benevolent St.
George Safford Beal	<i>Brockton, Ms.</i>	Hope 48
Samuel Marsden Beale Jr.	<i>Stoughton, Ms.</i>	32 Custom Ho. St.
Geo. Washington Bennett Jr.	<i>Providence</i>	14 Jenkins St.
Joseph Hill Bigelow	<i>New York, N. Y.</i>	Slater 7
Earnest Simons Bishop	<i>Providence</i>	112 George St.
Albert Morton Blaisdell	<i>Bradford, N. H.</i>	University 1
Arthur Horace Blanchard	<i>Providence</i>	Maxcy 202
Urban Charles Brewer	<i>Danville, Ind.</i>	Howell 9
Clarence Saunders Brigham	<i>Providence</i>	140 Prospect St.
Howard Haines Brown	<i>Camden, N. J.</i>	33 Benevolent St.
Harold Winifred Brown	<i>Tiverton</i>	Hope 5
Lloyd Brown	<i>Wollaston, Ms.</i>	University 19
Ralph Norman Brown	<i>Providence</i>	8 Carr Court
Nathaniel Frank Bryant	<i>Newtonville, Ms.</i>	30 Congdon St.
Walter Boardman Bullen	<i>Newton Centre, Ms.</i>	Hope 8
Paul Henry Burns	<i>No. Brookfield, Ms.</i>	Pease House 14
James Winthrop Campbell	<i>Biltmore, N. C.</i>	Slater 1
Laurence Herbert Chace	<i>Orange, Ms.</i>	E. Providence
Merton Leland Chadsey	<i>Providence</i>	University 19
Julian Clement Chase	<i>Pawtucket</i>	Maxcy 208

NAME	RESIDENCE	ROOM
James Harper Chase	<i>Whitman, Ms.</i>	77 Olney St.
George Dudley Church	<i>Providence</i>	Slater 18
Walter William Clark	<i>Worcester, Ms.</i>	Maxcy 204
John Arthur Clough	<i>Worcester, Ms.</i>	Maxcy 202
Francis Sessions Cole	<i>Providence</i>	Cole Ave.
Le Baron Carleton Colt	<i>Providence</i>	105 Waterman St.
William Pratt Comstock	<i>Providence</i>	University 18
Charles Osmond Cooke	<i>Providence</i>	University 45
William Mather Cotton Jr.	<i>Providence</i>	University 19
Walter Coates Cottrell	<i>Atlan. H'gl's, N.J.</i>	33 Benevolent St
Thomas Hart de Coudres	<i>McLean, N. Y.</i>	Hope 14
Arthur Freeman Crowell	<i>Providence</i>	255 Orms St.
Ira May Cushing	<i>Brookline, Ms.</i>	Maxcy 428
Charles Bates Dana	<i>Santa Rosa, Cal.</i>	Slater 15
George Warren David	<i>Falmouth, Ms.</i>	112 George St.
Jacob David	<i>Seir Urmia, Persia</i>	Messer 11
George Howard Davis	<i>Pawtucket</i>	Hope 27
Charles Thompson Dewey	<i>Gt. Barrington, Ms.</i>	Maxcy 426
Charles Howard Dow	<i>Providence</i>	Messer 16
Joseph William Dows Jr.	<i>Providence</i>	44 Benevolent St.
Albert Edmund Dunn	<i>Houlton, Me.</i>	Pease House A
James Franklin Dyer	<i>Portland, Me.</i>	Maxcy 210
Charles Daniel Easton	<i>Lakeport, N. H.</i>	117 George St.
Joseph Wilcox Ellis	<i>New Bedford, Ms.</i>	Maxcy 313
Ralph Caleb Estes	<i>Winn, Me.</i>	112 George St.
Bernard Capen Ewer	<i>Wickford</i>	University 53
Nathaniel Trull Ewer	<i>Providence</i>	180 Power St.
William Ellis Farnham	<i>East Providence</i>	2 Sixth St.
Evan Dale Field	<i>Smithfield, Pa.</i>	Hope 13
Arthur Herbert Fitz	<i>East Providence</i>	24 Whitney St.
Harry Cady Foster	<i>Providence</i>	4 Lloyd St.
Charles Kenworthy Francis	<i>Providence</i>	506 Smith St.
Caleb Allen Fuller	<i>Providence</i>	277 Brook St.
Charles Israel Gates	<i>Canonchet</i>	Hope 38
Nathaniel Howland Gifford	<i>Providence</i>	Hope 11
Arthur Leonard Giles	<i>Providence</i>	Hope 48

NAME	RESIDENCE	ROOM
John Mason Glen Jr.	<i>Geneva</i>	Geneva
George Albert Goulding	<i>Providence</i>	112 George St.
Benjamin Ward Grim	<i>Bridgeton, N. J.</i>	Messer 5.
Clarence Herbert Guild Jr.	<i>Providence</i>	Slater 16
Paul Shelly Guilford	<i>Shelburne Falls, Ms.</i>	Pease House 10
Gorden Dyer Hale	<i>Providence</i>	24 Barnes St.
Francis Henry Hammill	<i>Bristol</i>	Messer 14
Edward Shannon Hanson	<i>Taunton, Ms.</i>	Slater 2
Hugh Vincent Hazeltine	<i>Warren, Pa.</i>	University 47
Mellinger Edward Henry	<i>Irwin, Pa.</i>	Hope 28
Lothrop Davis Higgins	<i>Westboro, Ms.</i>	Hope 47
Carlos Grout Hilliard	<i>Saxton's River, Vt.</i>	Hope 27
Louis Rhodes Holmes	<i>Providence</i>	Hope 34
Henry Wade Hopkins	<i>Essex Junction, Vt.</i>	32 Custom Ho. St.
Oliver Chase Horsman	<i>Providence</i>	Hope 41
Eddy Phillips Howard	<i>Providence</i>	University 13
Charles Arnold Hull	<i>Auburn</i>	University 10
Albert Foster Hunt	<i>Fall River, Ms.</i>	63 Angell St.
Irving Owen Hunt	<i>Providence</i>	Slater 8
Oliver Perry Hussey	<i>Nashua, N. H.</i>	Slater 18
Philip Clay Jack	<i>Gardiner, Me.</i>	112 George St.
Francis Severance Johnson	<i>San Jose, Cal.</i>	Hope 29
Nels Johnson	<i>Rumford</i>	Rumford
Frederick William Jones	<i>Worcester, Ms.</i>	114 Wesleyan Ave.
William Jones	<i>Worcester, Ms.</i>	Maxcy 433
Asa Edward Kelsey	<i>West'n Springs, Ill.</i>	Hope 13
James Manning Kent	<i>Putnam, Ct.</i>	Slater 15
Daniel Augustus Keough	<i>Millville, Ms.</i>	Millville
George Potter King	<i>Providence</i>	5 Conduit St.
William Franklin Koopman	<i>W. Roxbury, Ms.</i>	47 Pitman St.
Nathan Whitm'n Littlefield Jr.	<i>Pawtucket</i>	Hope 48
Charles Walter Low	<i>Brockton, Ms.</i>	Slater 3
Russell Crosby Lowell	<i>Providence</i>	78 Bellevue Ave.
Antonio Mangano	<i>Hempstead, L. I.</i>	Hope 41
Richard Martin	<i>Johnston</i>	Hope 28
Eugene Waterman Mason Jr.	<i>Providence</i>	149 Waterman St.

NAME	RESIDENCE	ROOM
Joseph Jay McCaffrey	<i>Providence</i>	Maxcy 316
Andrew Jackson McConnico	<i>Vaiden, Miss.</i>	21 Brown St. 7
Frank Cowperthwait Millard	<i>Providence</i>	32 Custom Ho. St.
Harold Tredenick Miller	<i>Providence</i>	32 Baker Ave.
Frederic William Murphy	<i>Brockton, Ms.</i>	Hope 20
Nathaniel Leo Niles	<i>Providence</i>	Hope 2
Wilfred Benson Norris	<i>Somerset, Ms.</i>	39 Parkis Ave.
George Warren Parker	<i>Concord, N. H.</i>	University 34
Richard Roy Perkins	<i>Hornellsville, N. Y.</i>	Messer 4
Jesse Stetson Pevear	<i>Lynn, Ms.</i>	Maxcy 210
Thurston Mason Phetteplace	<i>Providence</i>	Hope 11
Freeman Putney Jr.	<i>Gloucester, Ms.</i>	88 Meeting St.
George Hervy Raymond	<i>Winchendon, Ms.</i>	Hope 23
Charles Cady Remington	<i>Providence</i>	Hope 8
Willis Brown Richardson	<i>Providence</i>	Maxcy 323
Frank Eddy Richmond 2d	<i>Providence</i>	Hope 7
Charles Gilbert Robinson	<i>Mansfield, Ms.</i>	Hope 1
Adam Franklin Ross	<i>Cortland, N. Y.</i>	Messer 15
John Davis Sage	<i>Cincinnati, O.</i>	Slater 7
Raymond Alfred Schwegler	<i>Buffalo, N. Y.</i>	Hope 3
Lion William Scudder	<i>E. Providence</i>	26 Sutton St.
Laurence Moss Shaw	<i>Oaklawn</i>	Hope 4
Albert Henry Sheffield	<i>Worcester, Ms.</i>	Maxcy 433
Fred Albert Simmons	<i>Adams, Ms.</i>	Hope 10
Charles Henry Smith Jr.	<i>Providence</i>	Hope 17
Rufus Albertson Soule Jr.	<i>New Bedford, Ms.</i>	University 40
Henry Butler Stearns	<i>Manchester, N. H.</i>	Hope 46
Edward Amos Stockwell	<i>Providence</i>	Hope 8
Ralph Ewing Storey	<i>McMinnville, Ore.</i>	21 Brown St. 6
George William Sutcliffe	<i>Worcester, Ms.</i>	Maxcy 433
Harrison Tarbell Swain	<i>Lowell, Ms.</i>	Hope 6
Charles McCallum Teague	<i>Warren, Me.</i>	Pease House A
Louis Albion Thomas	<i>Providence</i>	63 Angell St.
Edward Everett Thompson	<i>Fall River, Ms.</i>	River Point
Frederick Howard Tillinghast	<i>Providence</i>	University 19
John Barnes Tingley	<i>Gloucester, Ms.</i>	88 Meeting St.

NAME	RESIDENCE	ROOM
George Hussey Tracy	<i>Providence</i>	398 Washington St.
George Burwell Utley	<i>Springfield, Ms.</i>	30 Congdon St.
Fred Alvah Vose	<i>Woonsocket</i>	Slater 12
Charles Albert Walsh	<i>Providence</i>	Hope 29
Raymer Balch Weeden	<i>Providence</i>	158 Waterman St.
Harry Arthur Weeks	<i>Manchester, N. H.</i>	134 Somerset St.
J. Ralph Wellman	<i>Lawrence, Ms.</i>	University 54
Alonzo Roger Williams	<i>Providence</i>	10 Cushing St.
Nelson Allen Wood	<i>New Bedford, Ms.</i>	Maxcy 427
Frank Otis Woodruff	<i>Needham, Ms.</i>	21 Brown St. 12
William Watson Wyckoff	<i>Marshall's Cr'k, Pa.</i>	Hope 28

SOPHOMORE CLASS

NAME	RESIDENCE	ROOM
Luther Bentley Adams	<i>Providence</i>	33 Benevolent St.
Leon Hunter Adams	<i>N. Brookfield, Ms.</i>	Messer 12
Walter William Allen	<i>Fabyan, N. H.</i>	Messer 16
Clifford Spence Anderson	<i>Providence</i>	Hope 30
Asa Warren Armington	<i>Newton Centre, Ms.</i>	Hope 24
Herbert Hamlin Armington	<i>Providence</i>	Hope 16
Willard Henry Bacon	<i>Bellows Falls, Vt.</i>	Messer 16
George Giles Bass	<i>Hyde Park, Ms.</i>	Hope 42
Gilbert Newton Batchelder	<i>Newfane, Vt.</i>	112 George St.
Frederick Henry Bates	<i>Whitman, Ms.</i>	382 New York Ave.
Andrew Hooton Blackiston	<i>Washington, D. C.</i>	272 Benefit St.
Herman Melvin Blaisdell	<i>Bradford, N. H.</i>	University 17
Stephen Wentworth Bourn	<i>Providence</i>	Hope 7
Ernest Harriman Boynton	<i>Sewaren, N. J.</i>	Hope 43
Michael Shelly Brennan	<i>Valley Falls</i>	Valley Falls
Walter Alexander Briggs	<i>Ashaway</i>	Slater 12
Charles Wilson Brown	<i>Warren</i>	Maxcy 430
John Smith Brown Jr.	<i>Providence</i>	96 Bates St.
Ralph Standish Bryden	<i>Fairhaven, Ms.</i>	University 41
Louis Millens Burt	<i>Providence</i>	Maxcy 315
Lawrence Vinton Calder	<i>Bayside</i>	University 48
Moncrieffe Cameron	<i>Providence</i>	145 East Ave.
Frank Walter Campbell	<i>Westminster West, Vt.</i>	33 Benevolent St.
Neil Angus Campbell	<i>Phenix</i>	Hope 2
Harold Stearns Capron	<i>Providence</i>	Hope 3
John Mowry Capron	<i>Stillwater</i>	Slater 19
Geo. Washington Carpenter Jr.	<i>East Providence</i>	East Providence
Joseph Thomas Cashman	<i>Providence</i>	112 George St.
John Lee Chapman Jr.	<i>Central Village, Ct.</i>	136 Mitchell St.
James Wallace Chesbro	<i>Adams, Ms.</i>	Maxcy 431
Harry Adams Clapp	<i>Boston, Ms.</i>	University 44

NAME	RESIDENCE	ROOM
Charles Wesley Clark	<i>Clarksdale, Miss.</i>	Slater 19
Edwin Schuyler Cobb	<i>Attleborough, Ms.</i>	Maxcy 321
Thomas Aloysius Coffey	<i>Providence</i>	67 Bergen St.
Joseph Stearns Cole	<i>Morristown, N. J.</i>	Slater 6
John Steele Colwell	<i>Providence</i>	158 W. Clifford St.
George Saunders Cooper	<i>Providence</i>	90 Congdon St.
Howard Lawrence Corthell	<i>New York, N. Y.</i>	Maxcy 436
Mendell Winthrop Crane	<i>Central Village, Ct.</i>	Hope 38
Herbert Richard Cross	<i>Providence</i>	Slater 12
Claude Burton Dakin	<i>New Berlin, N. Y.</i>	Hope 3
Walter Hayes Detmers	<i>Buffalo, N. Y.</i>	Maxcy 324
Roscoe Morton Dexter	<i>Central Falls</i>	University 51
Dana Fletcher Downing	<i>Haverhill, Ms.</i>	Hope 47
Joseph Warren Downs	<i>S. Waterboro, Me.</i>	21 Brown St. 11
Foster Robbins Dows	<i>Providence</i>	44 Benevolent St.
Frank Horace Durgin	<i>Boscawen, N. H.</i>	Hope 8
Frank Birch Easton	<i>Lakeport, N. H.</i>	117 George St.
Charles Ernest Ewing	<i>Troy, N. Y.</i>	University 46
Fred Tarbell Field	<i>N. Springfield, Vt.</i>	University 33
Austin Hervey Fittz	<i>Natick, Ms.</i>	Hope 16
William Dunlap Forbes	<i>Providence</i>	132 Jenkins St.
Albert Jonathan Frohock	<i>Springfield, Ms.</i>	Hope 16
Ernest Hubbell Gilbert	<i>Roxbury, Ms.</i>	Maxcy 324
James Bruce Gilman	<i>Lowell, Ms.</i>	University 52
Dwight Hubbell Hall	<i>Bridgeport, Ct.</i>	Maxcy 425
Frank Thurston Hallett	<i>Providence</i>	283 George St.
Homer Warren Hanscom	<i>Haverhill, Ms.</i>	Hope 44
Ralph Frederick Hanson	<i>Roxbury, Ms.</i>	Slater 19
James George Harris	<i>Boston, Ms.</i>	Maxcy 203
Guilford Clinton Hathaway	<i>Fall River, Ms.</i>	Hope 22
Ralph Everett Heath	<i>Edgewater, Ill.</i>	Slater 4
Edward Herbert	<i>Fall River, Ms.</i>	Maxcy 212
William Leonard Hill	<i>Warsaw, Ill.</i>	Hope 12
John Lawrence Hood	<i>Pawtucket</i>	Maxcy 321
Thomas Hope	<i>Augusta, Ga.</i>	Hope 45
Horace Mason Hovey	<i>Groton, Ms.</i>	Maxcy 321

NAME	RESIDENCE	ROOM
Daniel Howland	<i>Hope</i>	Slater 11
Ray Osgood Hughes	<i>Saxton's River, Vt.</i>	33 Benevolent St.
George Llewellyn Hunt	<i>Attleborough, Ms.</i>	Attleborough
Rolla Elijah Hunt	<i>Huntville, Vt.</i>	63 Angell St.
John Wesley Huse	<i>Laconia, N. H.</i>	117 George St.
Frederic Vinal Hussey	<i>Franklin, Ms.</i>	Slater 14
Almon Andrus Jaynes	<i>Norwich, N. Y.</i>	233 Medway St.
Hiram Cleveland Jenks	<i>Pawtucket</i>	Pawtucket
John P. Johnson	<i>Rumford</i>	Rumford
Melvin Clermont Johnson	<i>Virgil, N. Y.</i>	Pease House 22
Myron Daniel Lapham	<i>Providence</i>	Hope 25
Waldo Gifford Leland	<i>Newt'n Lw'r F's, Ms.</i>	Hope 30
Clarence Brown Lester	<i>Johnston</i>	Hope 30
George Edwin Marble	<i>Worcester, Ms.</i>	Hope 19
George Marsden	<i>New Bedford, Ms.</i>	Hope 48
Harold Burnham Maryott	<i>Wickford</i>	Messer 2
Howard Harris Mason	<i>Providence</i>	Slater 11
Harold Lee McAuslan	<i>Providence</i>	Slater 16
Philip John McQuaid	<i>Providence</i>	31 Quaid St.
Walter Howard Mitchell	<i>Winchendon, Ms.</i>	Hope 23
Charles Bartlett Moseley	<i>Needham, Ms.</i>	University 59
Norman Allen Moss	<i>Providence</i>	Hope 4
Harry Warren Mumford	<i>Starrucca, Pa.</i>	University 51
Nathaniel Willis Myrick	<i>Spencer, Ms.</i>	Maxcy 320
Clarence Elnathan Norris	<i>Worcester Ms.</i>	University 59
Edward Arthur Northrop	<i>Field's Point</i>	405 Potter's Ave.
Arthur Edwin Norton	<i>Portland, Me.</i>	Messer 5
John Francis O'Gara	<i>Spencer, Ms.</i>	Maxcy 314
Lawrence Gilpin Painter	<i>Vale, Md.</i>	66 John St.
Earnest Angell Parkis	<i>Slatersville</i>	Hope 19
Leonard Merrick Patton	<i>Trenton, N. Y.</i>	University 46
Joseph Leishman Peacock	<i>Pawtucket</i>	Pawtucket
Jonathan Claire Peaslee	<i>Ashland, N. H.</i>	Maxcy 205
Maurice Vorhies Perkins	<i>Coffeyville, Ka.</i>	Slater 14
Arthur Llewellyn Perry	<i>Westerly</i>	Hope 38
Benjamin Obear Pillsbury	<i>Concord, N. H.</i>	Hope 21

NAME	RESIDENCE	ROOM
Harry Kay Poole	<i>Taunton, Ms.</i>	Messer 11
Charles Huntington Porter	<i>Providence</i>	Hope 11
Henry Sheldon Pratt	<i>Lawrence, Ms.</i>	112 George St.
Arthur Osborn Pritchard	<i>Newport</i>	University 28
Lemuel Charles Raiford	<i>Baltimore, Md.</i>	Hebronville, Ms
Lyman Alpheus Randall	<i>Leo, O.</i>	112 George St.
David Wallace Reeves Jr.	<i>Providence</i>	University 16
Archibald Tennant Reoch	<i>Phenix</i>	Hope 6
Fordyce Thomas Reynolds	<i>Hadley, Ms.</i>	Hope 34
Charles Germane Richardson	<i>Morrisville, N. Y.</i>	Messer 4
Robert Cornelius Robinson	<i>Providence</i>	Hope 10
Charles Pickett Roundy	<i>Beverly, Ms.</i>	Hope 4
Albert Lyon Scott	<i>Winslow, Ark.</i>	Hope 43
Arthur Langford Slocum	<i>East Providence</i>	Slater 7
Earl Augustine Smith	<i>Lowell, Ms.</i>	University 51
Charles Kirtland Stillman	<i>Mystic, Ct.</i>	University 60
Jesse Floyd Stinard	<i>Harford, N. Y.</i>	Pease House 22
Ralph William Stoddard	<i>Brattleboro, Vt.</i>	112 George St.
Harry Grove Sumner	<i>Norwich, N. Y.</i>	University 58
Howard Arnold Swallow	<i>Darville, Ill.</i>	University 51
Allan Remington Thatcher	<i>Middleboro, Ms.</i>	Slater 12
David Edmund Truesdell	<i>Suncook, N. H.</i>	University 27
Nathan Albert Tufts	<i>Fitchburg, Ms.</i>	Hope 24
Michael Joseph Twomey	<i>Norwich, Ct.</i>	Messer 12
Arthur Wakefield	<i>Mount Pleasant, Pa.</i>	Maxcy 321
Arthur Edward Warner	<i>Riverside</i>	21 Brown St. 8
James Warren	<i>Providence</i>	131 Waterman St.
Daniel Oscar Webster	<i>Lakeport, N. H.</i>	Maxcy 205
Clinton Chase White	<i>Worcester, Ms.</i>	Hope 42
Ray Lester Whitney	<i>Winchendon, Ms.</i>	Hope 25
George Curtis Wing Jr.	<i>Auburn, Me.</i>	Slater 17
Howland Wood	<i>Providence</i>	Hope 7
Walter Louis Wood	<i>Riverside</i>	Riverside
Arthur Llewellyn Wright	<i>West Newton, Ms.</i>	112 George St.
John Albion Young	<i>Woonsocket</i>	Messer 2

FRESHMAN CLASS

NAME	RESIDENCE	ROOM
Arthur Irving Andrews	<i>Providence</i>	6 Hammond St.
Frank Herbert Arnold	<i>Providence</i>	University 44
Willard Barber Atwell	<i>Hebronville, Ms.</i>	Hebronville
Orman Truesdell Babcock	<i>Norwich, N. Y.</i>	University 58
Edward Rathbone Bancroft	<i>Providence</i>	311 Angell St.
Harry Barnes	<i>Ashton</i>	Hope 29
Andrew Marcy Bartholomew	<i>Southbridge, Ms.</i>	Maxcy 319
Lora Elmer Beaman	<i>Providence</i>	237 Washington Av.
William Swasey Blake	<i>Providence</i>	288 Washington Av.
Howard Parker Blanchard	<i>Danvers, Ms.</i>	21 Brown St. 11
Earle Simons Pratt Bodurtha	<i>Agawam, Ms.</i>	Messer 9
Richard LeBaron Bowen	<i>Rumford</i>	Rumford
William Charles Hugo Brand	<i>Providence</i>	347 Friendship St.
Charles Winchester Brooks	<i>Montgomery, N. Y.</i>	Pease House 9
John Earle Brown	<i>Woonsocket</i>	Maxcy 426
George Burdick	<i>Newport</i>	Pease House 5
Henry Langworthy Burdick	<i>Westerly</i>	Hope 18
Florence William Burke	<i>Mittineague, Ms.</i>	Messer 9
James Boise Bush	<i>New Orleans, La.</i>	University 10
Ernest Palmer Carr	<i>Cortland, N. Y.</i>	Pease House 10
Floyd Levern Carr	<i>Hornellsville, N. Y.</i>	21 Brown St. 12
Charles Blanchard Carter	<i>Auburn, Me.</i>	Slater 14
Samuel Percival Cathro	<i>Bottineau, No. Dak.</i>	Messer 3
Elmer Seymour Chace	<i>Providence</i>	12 Hammond St.
Harrison Ayer Chase	<i>Brockton, Ms.</i>	Hope 36
William Lathrop Clark	<i>Rome, N. Y.</i>	Slater 5
Daniel Allen Clarke	<i>Fiskeville</i>	Maxcy 207
Roy Elliott Clarke	<i>Holyoke, Ms.</i>	Slater 5
Arthur Ogden Clift	<i>Middle'tn Spr'gs, Vt.</i>	University 33
Clarence Albert Coates	<i>Providence</i>	University 57

NAME	RESIDENCE	ROOM
Howard Aldrich Coffin	<i>East Fairfield, Me.</i>	Hope 32
Richard Merwin Cogan	<i>Orange, N. J.</i>	Hope 31
Abraham Cohen	<i>Providence</i>	12 Jenckes St.
Barak Gritman Coles Jr.	<i>New York, N. Y.</i>	Maxcy 314
Daniel Anthony Colton	<i>Providence</i>	129 Hospital St.
Rufus Halstead Cook	<i>Hadley, Ms.</i>	Hope 34
Albert Linwood Copeland	<i>Thomaston, Me.</i>	33 Benevolent St.
Ernest Willard Crawley	<i>Warren</i>	Warren
Frank Henry Croker	<i>New York, N. Y.</i>	Maxcy 322
Richard Samuel Croker	<i>New York, N. Y.</i>	Maxcy 322
David Currier Jr.	<i>Washington, D. C.</i>	Maxcy 208
Harvey Nathaniel Davis	<i>Providence</i>	21 George St.
Myron Powers Davis	<i>Brattleboro, Vt.</i>	Hope 22
Horace Talbot Day	<i>Providence</i>	216 Medway St.
Edward James Devine	<i>Portland, Me.</i>	Maxcy 318
Leo Alexander Dolan	<i>Attleborough, Ms.</i>	Attleborough
Peter Terrence Dolan	<i>Worcester Ms.</i>	Messer 8
Thomas Edward Dunn	<i>Winchendon, Ms.</i>	Hope 21
Charles Chester Eaton	<i>Brockton, Ms.</i>	Hope 36
Harrison Dickinson Eaton	<i>Calais, Me.</i>	80 Congdon St.
John Boyden Eaton	<i>Calais, Me.</i>	80 Congdon St.
Alton Winfred Eldridge	<i>South Harwich, Ms.</i>	Pawtucket
Parke Erwin	<i>Malone, N. Y.</i>	33 Benevolent St.
Edwin Bowen Evans	<i>Providence</i>	Hope 35
Henry Milne Fenner	<i>Fall River, Ms.</i>	Messer 7
Ernest Warren Flagg	<i>Hill, N. H.</i>	Pease House 3
Walter Louis Frost	<i>Providence</i>	233 Ohio Ave.
Edward Hawes Fuller	<i>Pawtucket</i>	Pawtucket
William Sebastian Garst	<i>Providence</i>	Maxcy 207
George Herbert Gilbert	<i>Providence</i>	1 Whittemore Place
Charles Herbert Gilmore	<i>Turners Falls, Ms.</i>	Messer 1
Frank Henry Gooding	<i>Central Falls</i>	Hope 16
Eben Colman Gould	<i>Leominster, Ms.</i>	Maxcy 315
John Packer Gray	<i>Mystic, Ct.</i>	Maxcy 211
Edwin Farnham Greene	<i>Newton Centre, Ms.</i>	Hope 39
Percival Bartlett Greene	<i>Germantown, Pa.</i>	76 Humboldt Ave.

NAME	RESIDENCE	ROOM
Stephen Harold Greene	<i>Newton Centre, Ms.</i>	Hope 39
Edward Tudor Gross	<i>Providence</i>	77 Lloyd St.
Arthur Tucker Grosvenor	<i>Abington, Ct.</i>	Pease House 3
Thacher Howland Guild	<i>Providence</i>	20 Pitman St.
David Conroy Hall	<i>Nantasket, Ms.</i>	Hope 41
Ernest Granger Hapgood	<i>Bryantville, Ms.</i>	University 31
Henry Clay Hart	<i>Eufaula, Ala.</i>	11 Adelphi Ave.
William Riggs Harvey	<i>Newport</i>	Pease House 5
George Bradford Hayward	<i>Campello, Ms.</i>	21 Brown St. 13
William Hindle	<i>Providence</i>	63 Canton St.
Charles Hayward Horton	<i>Central Falls</i>	Central Falls
Charles Herbert Hough	<i>Woonsocket</i>	Maxcy 426
Charles Sherman Hoyt	<i>New York, N. Y.</i>	Slater 10
William Henry Hull	<i>Auburn</i>	University 10
*George Silas James	<i>Hills Grove</i>	Maxcy 436
William Carter Johnson	<i>Providence</i>	Maxcy 315
Harry Francis Kellogg	<i>Providence</i>	Fruit Hill
Thomas Henry Kenworthy	<i>Hampden, Ms.</i>	Maxcy 432
William Theodore Knoop	<i>Providence</i>	Hope 37
Wilfred Clary Lane	<i>Hadley, Ms.</i>	Hope 10
William Larcher Jr.	<i>Warwick Neck</i>	University 25
Thomas Francis Lawlor	<i>Valley Falls</i>	Valley Falls
Frank May Lawson	<i>Riverside</i>	Riverside
Edward Benedict Lederer	<i>Providence</i>	Maxcy 315
Donald Le Stage	<i>No. Adams, Ms.</i>	Slater 20
Herbert Colbath Low	<i>Brockton, Ms.</i>	Slater 3
William Kinsley Low	<i>Providence</i>	Slater 13
Harold Lester Madison	<i>East Greenwich</i>	Hope 27
Joseph Ferdinand Malmstead	<i>Providence</i>	63 Vernon St.
Daniel Joseph Maloney	<i>Woonsocket</i>	Maxcy 426
John Leo Maroney	<i>Blackstone, Ms.</i>	Maxcy 426
George Rutherford Martin	<i>East Providence</i>	East Providence
Berton Lewis Maxfield	<i>Franklin Falls, N. H.</i>	117 George St.
Clifford Vaiden McConnico	<i>Vaiden, Miss.</i>	Pease House 23
John Francis McEleney	<i>Riverside</i>	Riverside

*Deceased.

NAME	RESIDENCE	ROOM
William Charles McLaughlin	<i>Providence</i>	7 Amity St.
James Duncan McLeod	<i>Providence</i>	Hope 29
Stewart Baker McLeod	<i>Brockton, Ms.</i>	Hope 37
Jesse George Melendy	<i>Nashua, N. H.</i>	Pease House 7
Albert Leonard Midgley	<i>Worcester, Ms.</i>	University 32
Max Merrill Miller	<i>Westfield, Vt.</i>	177 Bridgham St.
Vergil Stanley Millikin	<i>Providence</i>	Maxcy 315
Daniel Potter Myers	<i>Providence</i>	Hope 37
Allan Munro Newman	<i>Bristol</i>	Bristol
Frank Allen Page	<i>Johnston</i>	Maxcy 431
Ernest Trowbridge Paine	<i>Central Falls</i>	Central Falls
William Everett Parker	<i>West Arlington</i>	Arlington
Carlton John Patton	<i>Oneonta, N. Y.</i>	University 46
Frank Ernest Perkins	<i>Providence</i>	136 Mitchell St.
Edwin Miles Pertilla	<i>Norwich, N. Y.</i>	125 Cushing St.
Frederick George Phillips	<i>Providence</i>	University 48
Preston Hill Porcheron	<i>Brockton, Ms.</i>	Hope 48
Clifford Henry Pratt	<i>S. Framingham, Ms.</i>	Maxcy 319
Loring Hay Raymond	<i>Somerville, Ms.</i>	Hope 25
Charles Sheldon Read	<i>Anthony</i>	Hope 23
Edward Gile Rich	<i>Providence</i>	Hope 26
Alfred Henry Ricketts	<i>Providence</i>	Maxcy 431
David Robinson	<i>Pine Island, N. Y.</i>	Pease House 9
Joseph Frances Russell	<i>Adams, Ms.</i>	Maxcy 431
Warren Bigelow Sanborn	<i>Augusta, Me.</i>	Slater 17
Stanton Hopkins Sayles	<i>Uxbridge, Ms.</i>	Maxcy 208
John Hendricken Slattery	<i>Providence</i>	Maxcy 207
Byron Lee Smith	<i>Oxford, N. Y.</i>	University 26
Walter Smith	<i>Lawrence, Ms.</i>	112 George St.
Winthrop Morton Southworth	<i>Needham, Ms.</i>	University 30
Robert Wing Steere	<i>Providence</i>	84 Waterman St.
Claude Everett Stevens	<i>Nelson, Pa.</i>	Hope 29
Thomas Henry Stevens	<i>Whampt'n B'ch N. Y.</i>	20 Franklin St.
Henry Cleave Sullivan	<i>Portland, Me.</i>	Maxcy 201
John Joseph Sullivan	<i>Portland, Me.</i>	Maxcy 201
Amos Levett Taylor	<i>Franklin Falls, N. H.</i>	Pease House 11

NAME	RESIDENCE	ROOM
George Allen Taylor	<i>Providence</i>	Hope 34
Frank Carroll Thompson	<i>Haverhill, Ms.</i>	66 Meeting St.
Frederick Harris Thurston	<i>Laconia, N. H.</i>	Slater 4
William James Tingue Jr.	<i>Port Chester, N. Y.</i>	Slater 10
Howard Hiram Tucker	<i>Lee, Ms.</i>	Hope 15
Charles Sampson Turner	<i>Providence</i>	Hope 37
Walter Ernest Tuthill	<i>Palmer, Ms.</i>	Hope 4
Edward David Tweedell	<i>Providence</i>	University 57
Edgar Francis Viles	<i>Waltham, Ms.</i>	University 57
Halley Templeton Waller	<i>West Derby, Vt.</i>	Hope 32
John Herbert Ward	<i>Attleborough, Ms.</i>	Attleborough
Bertram Albert Warren	<i>Providence</i>	11 Nebraska St.
Libe Washburn	<i>Lyme, N. H.</i>	University 13
Harry Lee Watson	<i>Mt. Olive, N. J.</i>	University 51
George Everson Weeden Jr.	<i>Providence</i>	Hope 48
Frank Hiram Westlake	<i>Sacramento, Cal.</i>	University 19
Alan Rattray Wheeler	<i>Concord, Ms.</i>	Pease House 21
Hunter Carson White Jr.	<i>Providence</i>	Hope 35
Winfred Holt Whiting	<i>Oakdale, Ms.</i>	Maxcy 317
Arthur Herbert Whittemore	<i>Reading, Ms.</i>	Maxcy 318
Joseph Butler Whittemore	<i>Providence</i>	Hope 28
Edward Brown Williams	<i>Providence</i>	University 48
Frederic Darby Williams	<i>Valley Falls</i>	Hope 29
John Pollock Williamson	<i>Frostburg, Md.</i>	Pease House 19
Howard Oscar Winslow	<i>Providence</i>	68 Chapin Ave.
Henry Joseph Winters	<i>Pawtucket</i>	Pawtucket
Harry Lovell Wood	<i>Providence</i>	Maxcy 431
Irving Levi Woodman	<i>Manchester, N. H.</i>	117 George St.
Clarence Field Woodworth	<i>Providence</i>	5 Rhode Island Av.
Harrison Early Wright	<i>Jersey City, N. J.</i>	16 Preston St.
Arthur Crawford Wyman	<i>Central Falls</i>	Slater 4

SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
Charles Wheaton Barney	<i>New Bedford, Ms.</i>	Maxcy 206
Jesse Martland Blaney	<i>Attleborough, Ms.</i>	Attleborough
Charles Edmund Bryant	<i>Brookfield, N. Y.</i>	Messer 3
Harris Howard Bucklin	<i>Providence</i>	Slater 8
William Rose Champlin	<i>Providence</i>	Maxcy 203
Benjamin Gladding Comstock	<i>Providence</i>	38 Lloyd St.
Burton Henry Cooper	<i>Providence</i>	54 Weybosset St.
Phillip DeWolf	<i>Bristol</i>	173 George St.
Ernest Arey Dyer	<i>Boston, Ms.</i>	Hope 34
Leland Leslie Eaton	<i>Bradford, N. H.</i>	University 13
Leo Francis Farrell	<i>Pawtucket</i>	Pawtucket
James Francis Fox	<i>Providence</i>	117 Aborn St.
Owen Francis Gallagher	<i>Providence</i>	206 Oxford St.
Frederick Arthur Galvin	<i>Spencer, Ms.</i>	Maxcy 207
Russell Chaffee Graves	<i>Bennington, Vt.</i>	University 42
Eric Hastings Greene	<i>Providence</i>	14 John St.
Joseph Charles Hartwell	<i>Providence</i>	Slater 4
George Edgar Hathaway	<i>Providence</i>	75 Almy St.
John Ward Healey	<i>Leominster, Ms.</i>	12 Congdon St.
Daniel Henry Houlihan	<i>Pawtucket</i>	Pawtucket
James Samuel Hyde	<i>Fall River, Ms.</i>	Maxcy 212
William Thomas Jackson	<i>Pawtucket</i>	Pawtucket
Lucian Fenner Kimball	<i>Providence</i>	Hope 26
Charles Peter Lynch	<i>Providence</i>	Hope 28
Robert Kerr Lyons	<i>W. Hampt'n Be'ch, N. Y.</i>	University 10
William Mackintosh McNair	<i>Providence</i>	234 Orms St.
Joseph Francis John McCarthy	<i>Providence</i>	248 Charles St.
Harry Sumner McCready	<i>Providence</i>	98 Pitman St.
Frank Henry McElroy	<i>Providence</i>	1 Africa St.
John Milne Milne	<i>Buenos Ayres, Argentina</i>	Maxcy 430

NAME	RESIDENCE	ROOM
John Benedict O'Donnell	<i>Providence</i>	285 Public St.
William Outram Parkinson	<i>Everett, Ms.</i>	Hope 15
Louis Curtis Parsons	<i>Oxford, N. Y.</i>	University 26
Paul Emil Rauschenbach	<i>Paterson, N. J.</i>	33 Benevolent St.
Byron Johnson Rees	<i>Providence</i>	21 Brown St. 10
Frederick Clarence Richardson	<i>Passaic N. J.</i>	33 Benevolent St.
Carl Fred Schipper	<i>Pekin, Ill.</i>	Maxcy 323
Henry Lyon Scott	<i>Providence</i>	445 Elmwood Ave.
Otis White Sedgwick	<i>Bondsville, Ms.</i>	University 45
Thomas George Spencer	<i>Brooklyn, N. Y.</i>	Pease House 19
William Ashton Thompson	<i>Providence</i>	100 Doyle Ave.
Roger Chamberlain Turner	<i>Paterson, N. J.</i>	University 12
Harry Edwin Waterhouse	<i>Pascoag</i>	Maxcy 206

WOMEN'S COLLEGE

SENIOR CLASS

NAME	RESIDENCE	ROOM
Adelaide Harris Arnold	<i>Pawtucket</i>	44 Clay St.
Edna Bigelow Arnold	<i>Pawtucket</i>	12 Commerce St.
Winnie Austin	<i>Providence</i>	133 Doyle Ave.
Lucy Anna Bates	<i>Providence</i>	138 Messer St.
Anne Walcott Carpenter	<i>Providence</i>	95 Benevolent St.
Katherine Lauretta Cawley	<i>East Providence</i>	East Providence
Norma Garvin	<i>Lonsdale</i>	Lonsdale
Phebe Rushmore Gifford	<i>Providence</i>	32 Larch St.
Elizabeth Christina Grant	<i>Providence</i>	155 Lippitt St.
Emma Hindley	<i>Valley Falls</i>	Valley Falls
Grace Elizabeth Inman	<i>Providence</i>	1632 Chalkst'ne Av.
Ethel Clare Jameson	<i>East Providence</i>	83 Walnut St.
Emily Gardner Munro	<i>Bristol</i>	Bristol
Katherine Marie Neuschuez	<i>N. Attleborough. Ms.</i>	No. Attleborough
Edith Augusta Thompson	<i>Providence</i>	360 Willard Ave.
Ethel Ella Tower	<i>Providence</i>	397 Pine St.
Ida Evelyn Waite	<i>Providence</i>	14 Parkis Ave.
Margaret Lillian Wesley	<i>Providence</i>	161 Smith St.
Amy Earl White	<i>Attleborough. Ms.</i>	Attleborough
Jessie Wilson	<i>Rumford</i>	Rumford

JUNIOR CLASS

Florence Bartlett	<i>Providence</i>	32 Benevolent St.
Henrietta Griswold Benson	<i>Providence</i>	123 Chester Ave.
Caroline Louise Briggs	<i>Attleborough. Ms.</i>	Attleborough
Harriet Irving Brooks	<i>Providence</i>	137 Grove St.
Alverda Laura Brown	<i>Johnston</i>	Johnston

NAME	RESIDENCE	ROOM
Sarah Elecia Bunnell	<i>Bristol, Ct.</i>	325 Gano St.
Myra Hibbard Butler	<i>Woodsville, N. H.</i>	87 Congdon St.
Julia Marguerite Cawley	<i>East Providence</i>	East Providence
Agnes Elizabeth Clark	<i>Providence</i>	121 Pleasant St.
Sarah Hale Colvin	<i>Riverpoint</i>	Riverpoint
Eva Elise Curtiss	<i>Bristol, Ct.</i>	325 Gano St.
Adelaide Augusta Esten	<i>Providence</i>	382 Pine St.
Lillian Estelle Everett	<i>Providence</i>	36 Locust St.
Ida May Fiske	<i>Providence</i>	32 Carleton St.
Anna Liguoria Gray	<i>Providence</i>	120 Broad St.
Elizabeth Wickes Gardiner	<i>Providence</i>	22 Barnes St.
Evelyn Olive Johnson	<i>East Providence</i>	East Providence
Winnifred Belle King	<i>Winsted, Ct.</i>	325 Gano St.
Anne May Larry	<i>Providence</i>	169 Congdon St.
Hattie Lusannah Latham	<i>Providence</i>	87 Weybosset St.
Mary Beecher Leonard	<i>Providence</i>	156 Broad St.
Mary Ann McQuaid	<i>Providence</i>	31 Quaid St.
Lillian Gertrude McQuillin	<i>Pawtucket</i>	87 Central Ave.
Gertrude Edna Millard	<i>Providence</i>	123 Lester St.
Josie Star Miner	<i>East Providence</i>	East Providence
Susie Brigham Morse	<i>Attleborough, Ms.</i>	Attleborough
Mary Abby Frink Randall	<i>Providence</i>	83 Beaufort St.
Sarah Louise Simmons	<i>Providence</i>	74 Armstrong Ave.
Alice Maude Tallman	<i>Fairhaven, Ms.</i>	87 Congdon St.
Clara Belden Tingley	<i>Gloucester, Ms.</i>	87 Congdon St.
Bertha Tucker	<i>Pawtucket</i>	Pawtucket
Harriet Barrows Utter	<i>Providence</i>	172 Pleasant St.
Mary Greene Wilbur	<i>Providence</i>	266 Broad St.
Annie Louise Williams	<i>Brattleboro, Vt.</i>	79 Almy St.

SOPHOMORE CLASS

Alice May Ballou	<i>Providence</i>	61 Congdon St.
Clare Reynolds Bass	<i>Windham, Ct.</i>	12 Providence St.
Ruth Edna Batchelder	<i>Centerville</i>	Centerville
Helen Louise Bliss	<i>East Providence</i>	East Providence

NAME	RESIDENCE	ROOM
Anna Carrique Buffinton	<i>Providence</i>	157 Vinton St.
Emily Estelle Campbell	<i>Providence</i>	221 Pavilion Ave.
Lydia Gardiner Chace	<i>Providence</i>	129 Benefit St.
Edith Ray Clapp	<i>Providence</i>	133 Smith St.
Mabel Ingraham Cobb	<i>Attleborough, Ms.</i>	Attleborough
Mary Elizabeth Collins	<i>Westerly</i>	Westerly
Daisy Frances Coulters	<i>Arlington</i>	Arlington
Edith Dolly Davison	<i>Pawtucket</i>	41 Summer St.
Helen Louise Given	<i>Auburn</i>	Auburn
Pearl Belle Grant	<i>Providence</i>	40 Providence St.
Beulah May Hahn	<i>Providence</i>	75 Cranston St.
Mary Prentice Hill	<i>Rumford</i>	Rumford
Mabel Snow Levalley	<i>Providence</i>	124 Wesleyan Ave.
Loretta Ludwig	<i>Providence</i>	167 Prairie Ave.
Susan Gertrude Mackie	<i>Providence</i>	43 Woonasquatucket Av.
Minnie Catherine Mahy	<i>Providence</i>	Fourth St.
Adrienne Mathews	<i>Providence</i>	131 Ocean St.
Josephine Martha Scholfield	<i>Providence</i>	425 Public St.
Susie Robbins Scott	<i>East Providence</i>	East Providence
Florence Carter Seagrave	<i>Slatersville</i>	Slatersville
George Lillian Smith	<i>Providence</i>	25 Lenox Ave.
Mary Randall Stark	<i>Providence</i>	41 Chapin Ave.
Helena Russell Stewart	<i>Wollaston, Ms.</i>	30 Congdon St.
Lura Cooper Stone	<i>Pawtucket</i>	Pawtucket
Eulalia Jeannette Towne	<i>Howard</i>	Howard
Edna Isabel Warner	<i>Bristol, Ct.</i>	114 Taber Ave.
Helen Bowen Waterman	<i>Providence</i>	70 Cady Ave.
Martha Wilbur Watt	<i>Providence</i>	207 Atlantic Ave.
Ethel Gertrude Westcott	<i>Providence</i>	66 Wood St.
Mabel Gardner White	<i>Providence</i>	114 Messer St.
Nettie Estella White	<i>Arlington</i>	Arlington
Inez Luanne Whipple	<i>Diamond Hill</i>	Diamond Hill

FRESHMAN CLASS

Ruth Appleton	<i>Providence</i>	209 Angell St.
Grace Ethel Balcom	<i>Attleborough, Ms.</i>	Attleborough
Minnie Leora Bartlett	<i>Providence</i>	182 Broadway

NAME	RESIDENCE	ROOM
Lilla Rogers Birge	<i>Providence</i>	50 Jenkins St.
Mabel Jennie Bowe	<i>Providence</i>	227 East Ave.
Adelaide Kimball Burton	<i>Providence</i>	85 Waterman St.
Beulah Butler	<i>Woodsville, N. H.</i>	87 Congdon St.
Alice Cary Devereux	<i>Manton</i>	Manton
Jennie May Eddy	<i>Providence</i>	92 Melrose St.
Louella Dennis Fifield	<i>Pawtucket</i>	27 Kossuth St.
Abby Eddy Fiske	<i>Providence</i>	600 Broad St.
Louise Conant Gamwell	<i>Providence</i>	10 Wesleyan Ave.
Saida Newton Hallett	<i>Providence</i>	283 George St.
Grace June Jones	<i>Philadelphia, Pa.</i>	325 Gano St.
Ida Louise McAllister	<i>Johnston</i>	24 Dyer Ave.
Mary Alida Orswell	<i>Providence</i>	28 Mt. Vernon St.
Genevieve Partridge	<i>Woonsocket</i>	Woonsocket
Edythe Grace Peck	<i>Providence</i>	45 Chapin Ave.
Bertha Theresa Pinkham	<i>Woonsocket</i>	Woonsocket
Mary Florence Rafter	<i>Damaricotta, Me.</i>	325 Gano St.
Mabel Agnes Ray	<i>East Providence</i>	East Providence
Annie Mabel Smith	<i>Providence</i>	85 Wendell St.
Candace Allen Smith	<i>Providence</i>	47 Jenkins St.
Emily Louise Smith	<i>Pawtucket</i>	23 Lupine St.
Lura May Thomas	<i>Attleborough, Ms.</i>	Attleborough
Alice Louise Ward	<i>Providence</i>	27 Larch St.
Jessie Louise Wheeler	<i>Saxton's River, Vt.</i>	122 Fountain St.

SPECIAL STUDENTS

Edith Katherine Bauer	<i>Providence</i>	105 Parade St.
Theodora Greene Bowen	<i>Providence</i>	27 Sycamore St.
Ella Frances Cory	<i>Providence</i>	51 Arch St.
Lucy Evangeline Cyr	<i>Providence</i>	22 Arch St.
Gertrude Gardner	<i>Swansea Centre, Ms.</i>	325 Gano St.
Florence Garvin	<i>Lonsdale</i>	Lonsdale
Margaret Noble Goodwin	<i>Harwinters, Ct.</i>	87 Congdon St.
Sarah Mary Gough	<i>Providence</i>	557 Broadway
Mary Louise Gregory	<i>Providence</i>	253 Broadway

NAME	RESIDENCE	ROOM
Grace Margaret Hamilton	<i>Providence</i>	252 Rhodes St.
Stella Josephine Hartshorn	<i>Providence</i>	189 Wayland Ave.
Marion Harvie	<i>Providence</i>	336 Benefit St.
Margaret Emeline Hatten	<i>Attleborough, Ms.</i>	Attleborough
Sarah Marie Hennessy	<i>Providence</i>	198 Broad St.
Gertrude Selwyn Kimball	<i>Providence</i>	120 Brown St.
Anna Marie Klegenhagen	<i>Providence</i>	87 Congdon St.
Evangeline Larry	<i>Providence</i>	169 Congdon St.
Grace Fisher Leonard	<i>Providence</i>	156 Broad St.
Emily Hastings Lyman	<i>Providence</i>	137 Congress Ave.
Sara Imbria Manatt	<i>Providence</i>	15 Keene St.
Frances Elizabeth Packard	<i>Providence</i>	275 Angell St.
Laura Frances Parker	<i>Concord, N. H.</i>	180 Power St.
Elizabeth Leigh Richards	<i>Providence</i>	144 Benefit St.
Lena Wadleigh Sanborn	<i>Providence</i>	15 Greene St.
Harriet Hopkins Sessions	<i>Providence</i>	1 Brenton Ave.
Maude Slye	<i>St. Paul, Minn.</i>	12 Congdon St.
Mary Ellen Spooner	<i>Bristol</i>	Bristol
Anna Aborn Thompson	<i>Providence</i>	204 Bowen St.
Anna Moulton Tillinghast	<i>Providence</i>	344 Orms St.
Gertrude M. Whipple	<i>Pawtucket</i>	190 Broadway
Bertha Louise Wilson	<i>Pawtucket</i>	20 Park Place
Martha Jane Wilson	<i>Providence</i>	151 Ocean St.

SUMMARY OF WOMEN'S COLLEGE

Seniors	20
Juniors	34
Sophomores	36
Freshmen	27
Select Course	32
Total	<hr/> 149

SUMMARY

Graduates	101	Freshmen	168
Seniors	112	Specials	43
Juniors	149	Women's College	149
Sophomores	138		<hr/>
Total			860

SUMMARY BY STATES

Rhode Island	461	Tennessee	1
Massachusetts	186	Virginia	1
New York	54	Indiana	1
New Hampshire	34	North Carolina	1
Maine	23	Georgia	1
Connecticut	23	Kansas	1
Vermont	20	Arkansas	1
New Jersey	12	Louisiana	1
Pennsylvania	9	North Dakota	1
Illinois	7	Alabama	1
Ohio	4	Minnesota	1
California	3	Argentina	1
Mississippi	3	England	1
Oregon	2	India	1
District of Columbia	2	Persia	1
Maryland	2		<hr/>
Total			860

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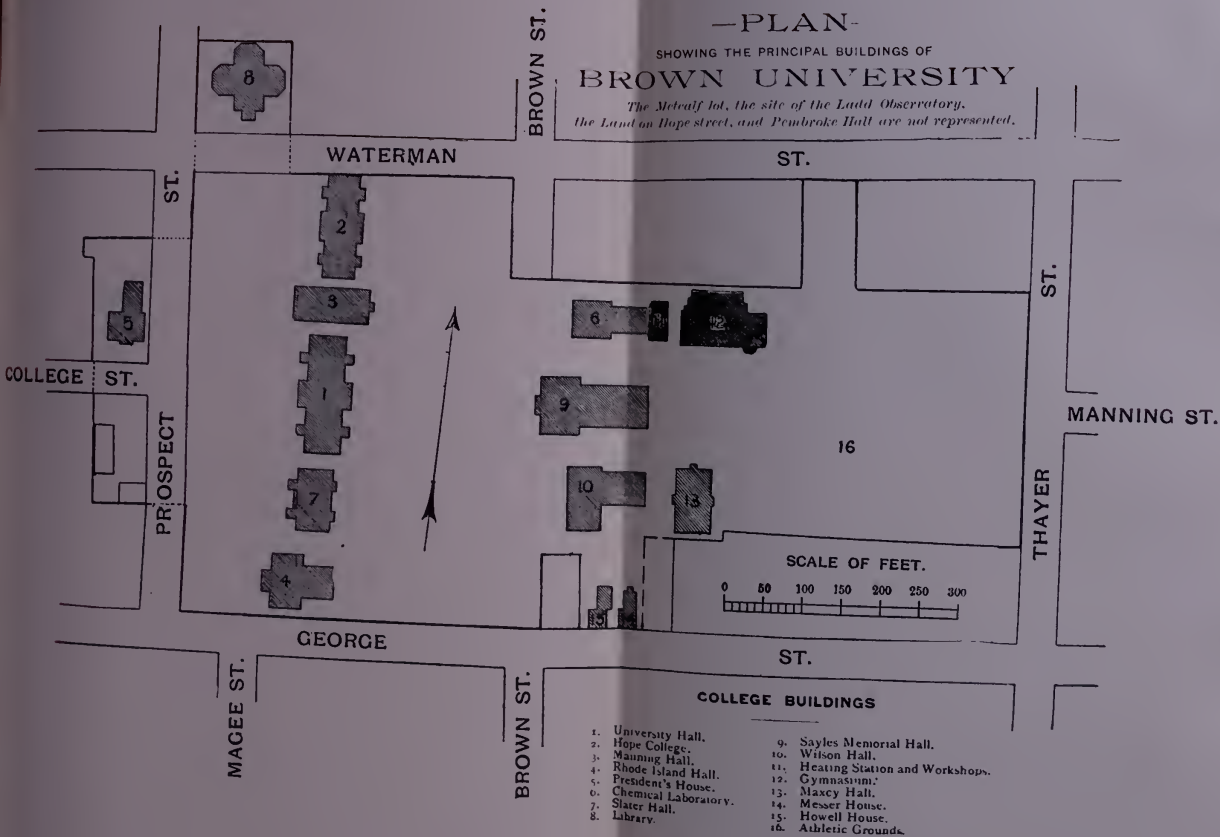
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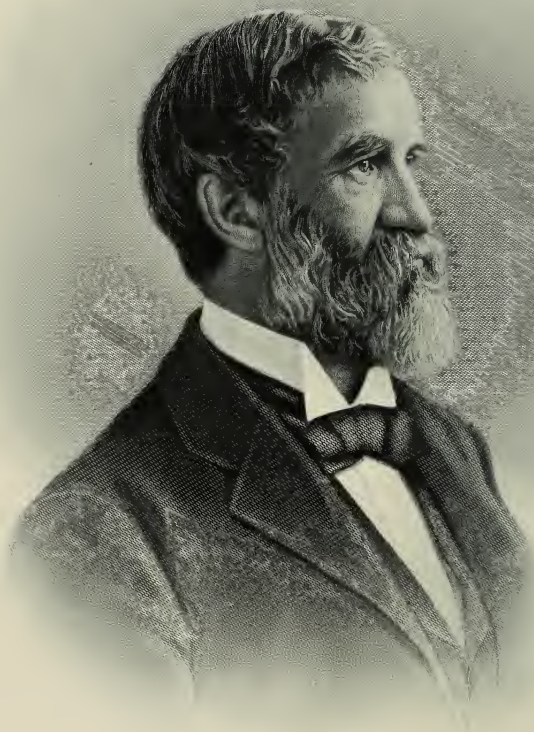
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-PLAN-
SHOWING THE PRINCIPAL BUILDINGS OF
BROWN UNIVERSITY

*The Metcalf lot, the site of the Ladd Observatory,
the Land on Hope street, and Pembroke Hall are not represented.*





Alpheus Spring Packard

CATALOGUE
OF
BROWN UNIVERSITY

1898-99



PROVIDENCE, R. I.
REMINGTON PRINTING CO., 63 WASHINGTON STREET
1898

CALENDAR 1898-99

1898	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1899	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1899	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
July	..	3	4	5	6	7	8	9	Jan.	1	2	3	4	5	6	7	July	..	2	3	4	5	6	7
	10	11	12	13	14	15	16			8	9	10	11	12	13	14		9	10	11	12	13	14	
	17	18	19	20	21	22	23			15	16	17	18	19	20	21		16	17	18	19	20	21	
	24	25	26	27	28	29	30			22	23	24	25	26	27	28		23	24	25	26	27	28	
	31	..	..	..	..	..	..			29	30	31	..	..	..	..		30	31	..	..	..	..
Aug.	..	1	2	3	4	5	6		Feb.	1	2	3	4		Aug.	1	2	3	4
	7	8	9	10	11	12	13			5	6	7	8	9	10	11		6	7	8	9	10	11	
	14	15	16	17	18	19	20			12	13	14	15	16	17	18		13	14	15	16	17	18	
	21	22	23	24	25	26	27			19	20	21	22	23	24	25		20	21	22	23	24	25	
	28	29	30	31	..	..	..			26	27	28	..	..	..	..		27	28	29	30	31	..
Sept.	1	2	3		Mar.	1	2	3	4		Sept.	1	2
	4	5	6	7	8	9	10			5	6	7	8	9	10	11		3	4	5	6	7	8	
	11	12	13	14	15	16	17			12	13	14	15	16	17	18		10	11	12	13	14	15	
	18	19	20	21	22	23	24			19	20	21	22	23	24	25		17	18	19	20	21	22	
	25	26	27	28	29	30	..			26	27	28	29	30	31	..		24	25	26	27	28	29	
Oct.	1	2		Apr.	1	2		Oct.	..	1	2	3	4	5
	2	3	4	5	6	7	8			2	3	4	5	6	7	8		8	9	10	11	12	13	
	9	10	11	12	13	14	15			9	10	11	12	13	14	15		15	16	17	18	19	20	
	16	17	18	19	20	21	22			16	17	18	19	20	21	22		22	23	24	25	26	27	
	23	24	25	26	27	28	29			23	24	25	26	27	28	29		29	30	31	..	..	..
Nov.	30	31		May	30		Nov.	1	2	3	4
	..	..	1	2	3	4	5			..	1	2	3	4	5	6		5	6	7	8	9	10
	6	7	8	9	10	11	12			7	8	9	10	11	12	13		12	13	14	15	16	17	
	13	14	15	16	17	18	19			14	15	16	17	18	19	20		19	20	21	22	23	24	
	20	21	22	23	24	25	26			21	22	23	24	25	26	27		26	27	28	29	30	..	
	27	28	29	30	..	..	..			28	29	30	31	..	..	..		..	..	..	..	1	2
Dec.	1	2	3		June	1	2	3		Dec.	3	4	5	6	7	8
	4	5	6	7	8	9	10			4	5	6	7	8	9	10		10	11	12	13	14	15	
	11	12	13	14	15	16	17			11	12	13	14	15	16	17		17	18	19	20	21	22	
	18	19	20	21	22	23	24			18	19	20	21	22	23	24		24	25	26	27	28	29	
	25	26	27	28	29	30	31			25	26	27	28	29	30	..		31	

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COLLEGE CALENDAR 1898-99

1898.

September 7. *Wednesday.* Annual Meeting of the Corporation
(first Wednesday in September).

September 19-20. *Monday, Tuesday.* Examinations for admission
to the Freshman Class and to Advanced Stand-
ing.

September 21. *Wednesday.* ACADEMIC YEAR BEGINS. 8.40 A. M.

September 21. *Wednesday.* Last day for registration of Resident
Graduate Students.

October 1. *Saturday.* Last day for registration of Non-resi-
dent Graduate Students.

November 24-26. *Thursday, Friday and Saturday.* Thanksgiving
Recess.

December 16-22. *Friday to Thursday.* Term Examinations.

December 23—January 3, 1899, Friday to Monday, inclusive. CHRIST-
MAS RECESS.

1899.

January 3. *Tuesday.* SECOND TERM BEGINS. 8.40 A. M.

February 22. *Wednesday.* Washington's Birthday. No College
exercises.

March 11-17. *Saturday to Friday.* Term examinations.

March 18-27. *Saturday to Monday, inclusive.* SPRING RECESS.

March 28. *Tuesday.* THIRD TERM BEGINS. 8.40 A. M.

- March 31.* *Saturday.* Last day for receiving theses of candidates for the Doctorate.
- May 30.* Memorial Day. No College exercises.
- May 31.* *Wednesday.* Last day for examinations for advanced degrees.
- June 9-15.* *Friday to Thursday.* Term examinations.
- June 15* *Thursday.* Hicks Prize Debate: Manning Hall, 8.00 P. M.
- June 16.* *Friday.* Class Day.
- June 18.* *Sunday.* Baccalaureate Sermon: First Baptist Meeting House, 4.00 P. M.
- June 19.* *Monday.* Sophomore Prize Declamation: Manning Hall, 8.00 P. M.
- June 20.* *Tuesday.* Annual Meeting of the Phi Beta Kappa Society: 5 University Hall, 9.30 A. M.
- June 20.* *Tuesday.* Annual Alumni Meeting: Manning Hall, 4.00 P. M.
- June 21.* *Wednesday.* ONE HUNDRED AND THIRTY-FIRST ANNUAL COMMENCEMENT (third Wednesday in June): 10.00 A. M.
- June 22.* *Thursday.* Meeting of the Corporation.
- June 22-23* *Thursday, Friday.* Examinations for admission to College.

SUMMER VACATION.

- September 6.* *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).
- September 18-19.* *Monday, Tuesday.* Examinations for admission to the Freshman Class and to Advanced Standing.
- September 20.* *Wednesday.* ACADEMIC YEAR BEGINS 8.40 A. M.

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Office: Library.

Office hours: 9 to 10 A. M., 3 to 4 P. M.

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Office: 7 Sayles Hall.

Office hours: 11 A. M. to 12 M., Tuesdays, Thursdays and Saturdays.

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Office hours: 1.05 to 1.45, Mondays, Wednesdays and Fridays.

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Office: University Hall.

Office hours: 12 M. to 1 P. M.

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RISE AND CONSTITUTION OF THE UNIVERSITY.

BROWN UNIVERSITY owes its origin to the happy convergence of two separate lines of influence. So early as 1762 a "resolution to erect a college and institute a seminary for the education of youth somewhere in North America" had been formed by the Philadelphia Baptist Association, under whose auspices the Hopewell Academy, in New Jersey, had already been established. As Rhode Island had been settled on the principle of perfect toleration in religious belief, it was decided to apply to its legislature for a charter.

Even after the residence here, from 1729 to 1731, of the distinguished Dean Berkeley, subsequently Bishop of Cloyne, Newport had been the centre of a pronounced intellectual interest; while the memory of Berkeley's scheme to found a college in America, and the actual erection of colleges in several of the other colonies, made it impossible that the suggestion of a college for Rhode Island should be strange or unwelcome to thoughtful people in that colony. The charter was granted, and read as follows:

At the General Assembly of the Governor
and Company of the English Colony of
Rhode Island and Providence-Plantations
in New England in America, begun and
held at East Greenwich within &
for said Colony by adjournment upon the last
Monday of Feb^r one Thousand Seven
Hundred and Sixty-four, and in the fourth
Year of the Reign of His Most Sacred
Majesty George the Third, by the Grace of
God, King of Great Britain and so forth

WHEREAS Institutions for liberal Education are highly beneficial to Society, by forming the rising Generation to Virtue Knowledge & useful Literature & thus preserving in the Community a Succession of Men duly qualify'd for discharging the Offices of Life with usefulness & reputation they have therefore justly merited & received the attention & Encouragement of every wise and well regulated State, and whereas a Public School or Seminary erected for that purpose within this Colony, to which the Youth may freely resort for Education in the Vernacular & Learned Languages & in the liberal Arts & Sciences, would be for the general Advantage & Honor of the Government, and whereas

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M ^r John G. Wanton	Charles Rhodes Esq ^r	John Tillinghast Esq ^r George Haszard Esq ^r
M ^r Tho ^s Robinson	M ^r Nicholas Brown	Cole Job Bennet
	Cole M ^r Barzilla Richmond	Nicholas Easton Esq ^r
	M ^r John Brown	Arthur Fenner Esq ^r

with many other Persons appear as undertakers in the valuable design, & thereupon a Petition has been prefer'd to this Assembly praying that full Liberty and Power may be granted unto such of them with others as are hereafter mentioned to found endow, order & govern a College or University within this Colony & that for the more effectual execution of this design they may be incorporated into one Body Politic to be known in the Law with the powers priviledges & franchises necessary for the purpose aforesaid—

Now, therefore know ye that being willing to encourage and patronise such an honorable and useful Institution, we the said Governor & Company in General Assembly convened do for ourselves and our

Succesors in and by virtue of the Power and Authority within the Jurisdiction of this Colony to us by the Royal Charter granted & committed enact grant constitute ordain & declare & it is hereby enacted granted constituted ordained and declared that the

Rev. ^d James Manning	Joshua Babcock Esq ^{re}	Hon ^{ble} Stephen Hopkins Esq ^{re}
Rev. ^d Rufsel Mason	M ^r John G. Wanton	Hon ^{ble} Joseph Wanton Jun ^r Esq ^{re}
Col ^o Elisha Reynolds	Rev. ^d Edward Upham	Hon^{ble} John Gardner
Col ^o Josias Lyndon	Rev. ^d Jeremiah Condry	Hon ^{ble} Samuel Ward Esq ^{re}
Col ^o Job Bennet	Rev. ^d Marmaduke Brown	Hon ^{ble} William Ellery Esq ^{re}
M ^r Ephraim Bowen	Rev. ^d Gardner Thurston	“ John Tillinghast Esq ^{re}
Joshua Clarke Esq ^{re}	Rev. ^d Ezra Stiles	“ Simon Pease Esq ^{re}
Cap ^t Jon ^a . Slade	Rev. ^d John Greaves	“ James Honyman Esq ^{re}
John Taylor Esq ^{re}	Rev. ^d John Maxson	“ Nicholas Easton Esq ^{re}
M ^r Robert Strettell Jones	Rev. ^d Sam ^l Winfor	“ Nicholas Tillinghast Esq ^{re}
Azariah Dunham Esq ^{re}	Rev. ^d John Gano	“ Darius Sefsons Esq ^{re}
M ^r Edward Thurston J ^r	Rev. ^d Morgan Edwards	“ Joseph Harris Esq ^{re}
M ^r Thomas Eyres	Rev. ^d Isaac Eaton	“ Francis Willet Esq ^{re}
M ^r Thomas Haszard	Rev. ^d Sam ^l Stillman	William Logan Esq ^{re}
M ^r Peleg Barker	Rev. ^d Sam ^l Jones	“ Daniel Jencks Esq ^{re}
		George Hazard Esq ^{re}
		M ^r Nicholas Brown Esq ^{re}
		“ Jeremiah Niles Esq ^{re}

or such or so many of them as shall within twelve Months from the date hereof, accept of this trust and qualify themselves as herein after directed, and their Succesors shall be for ever hereafter one Body Corporate & Politic in Fact and Name to be known in Law by the Name of Trustees, and Fellows of the College or University in the English Colony of Rhode Island and Providence Plantations in New England in America the Trustees and Fellows at any Time hereafter giving such more particular Name to the College in Honor of the greatest & most distinguished Benefactor or otherwise as they shall think proper which Name so given shall in all Acts, Instruments and Doings of said Body Politic be superadded to their corporate Name aforesaid, and become a part of their legal Appellation, by which it shall be for ever known and distinguished, and that by the same Name, they and their Succesors chosen by themselves as hereafter prescribed shall and may have perpetual Succesion, and shall & may be Persons able and capable in the Law to Sue, & to be Sued to Plead and

to be impleaded to Answer, and to be Answered unto, to defend and to be defended in all and singular Suits Causes Matters Actions and Doings of what kind soever & also to have take possess purchase acquire or otherwise receive & hold Lands Tenements Hereditaments, Goods Chattles or other Estates of all which they may and shall stand and be seized notwithstanding any Misnomer of the College or the Corporation hereof and by what ever Name or however imperfectly the same shall be described in Gift, Bequests and Assignments provided the true intent of the Assigner or Benefactor be evident. Also the same to grant demise alien lease use manage and improve according to the Tenor of the Donations, and to the Purposes Trusts & Uses to which they shall be seized there of and full Liberty Power & Authority is hereby granted unto the said Trustees & Fellows and their Successors to found a College or University within this Colony for promoting the Liberal Arts and Universal Literature, and with the Monies Estates & Revenues of which they shall from time to time become legally Seized as aforesaid to Endow the same and erect the necessary Buildings & Edifices thereof on such Place within this Colony as they shall think Convenient: And Generally to regulate Order & Govern the same Appoint Officers & make Laws as herein after prescribed & hold use & enjoy all the Liberties Privileges exemptions, Dignities & Immunities enjoy'd by any College or University whatever, And furthermore that the s^d Trustees & fellows & their Successors shall & may forever hereafter have a public Seal to use for all Causes matters & affairs whatever of them and their Successors and the same Seal to alter Break & make anew from time to time at their Will and Pleasure which Seal shall always be deposited with the President or Senior fellow and furthermore by the Authority aforesaid it is hereby enacted Ordained & declared that it is now and at all Times hereafter shall continue to be the unalterable Constitution of this College or University that the Corporation thereof shall consist of two Branches Viz: that of the Trustees & that of the fellowship with distinct seperate & respective powers, and that the Number of the Trustees shall and may be thirty ~~five~~ six of which twenty two shall forever be Elected of the Denomination called Baptists or Antipedobaptis Five shall for ever be elected of the Denomination called Friends or Quakers, four shall for ever be elected of the Denomination called Congregationalists, & ~~four~~ Five shall

for ever be elected of the Denomination called Episcopalians & that the Succesſion in this Branch ſhall be for ever choſen & filled up from the reſpective Denominations in this proportion and according to theſe Numbers which are hereby fixt & ſhall remain to perpetuity imutably the ſame and that the ſaid

Rev. ^d Ifaac Eaton	“ Francis Willet Eſq ^{re}	Hon’ble Stephen Hopkins Eſq ^{re}
Rev. ^d Sam Stillman	“ Daniel Jencks Eſq ^{re}	Hon’ble Joſeph Wanton Jun Eſq ^{re}
Rev. ^d Ruſſel Maſon	George Haſzard Eſq ^{re}	Hon’ble John Gardner Eſq^{re}
Col. ^o Eliſha Reynolds	Nicholas Brown Eſq ^{re}	Hon’ble Samuel Ward Eſq ^{re}
Col. ^o Joſias Lyndon	“ Jeremiah Niles Eſq ^{re}	Hon’ble William Ellery Eſq ^{re}
Col. ^o Job Bennet	“ M^r John G Wanton Eſq ^{re}	“ John Tillinghaſt Eſq ^{re}
M ^r Ephraim Bowen	“ M^r Joſhua Clark Eſq ^{re}	“ Simon Peaſe Eſq ^{re}
John Taylor Eſq ^{re}	“ Rev. ^d Gardner Thurſton	“ James Honyman Eſq ^{re}
Cap. ^t Jon. ^o Slade	“ Rev. ^d John Greaves	“ Nicholas Eaſton Eſq ^{re}
M ^r Robert Strettell Jones	“ Rev. ^d John Maſon	“ Nicholas Tillinghaſt Eſq ^{re}
Azariah Dunham Eſq ^{re}	“ Rev. ^d John Gano	“ Darius Seſſions Eſq ^{re}
M ^r Edward Thurſton Jun. ^r	“ Rev. ^d Sam ^l Winfor	“ Joſeph Harris Eſq ^{re}
M ^r Peleg Barker		

or ſuch or ſo many of them as ſhall qualify themſelves as aforeſaid ſhall be and they are hereby declared and eſtabliſhed the firſt and preſent Truſtees.— And that the Number of the Fellows incluſive of the Preſident who ſhall always be a Fellow, ſhall and may be Twelve of which eight ſhall be for ever elected of the Denomination called Baptiſts or Antipadobaptiſts, and the reſt indifferently of any or all Denominations and that the

Joſhua Babcock Eſq.	Rev. ^d Ezra Stiles	Rev. Edward Upham
M ^r Thomas Eyres	Rev. ^d Sam ^l Jones	Rev. Jeremiah Condy
M ^r Thomas Haſzard	Rev. ^d James Manning	Rev. Marmaduke Brown
	Hon’ble W ^m Logan Eſq ^{re}	Rev. Morgan Edwards

or ſuch or ſo many of them as ſhall qualify themſelves as aforeſaid. ſhall be, and they are hereby declared the firſt and preſent Fellows and Fellowship to whom the Preſident when hereafter elected who ſhall forever be of the Denomination called Baptist or Antepedo Baptist ſhall be Joined to compleat the Number. AND furthermore it is declared and ordained that the Succesſion in both Branches ſhall at all times hereafter be filled up and ſupplied according to theſe Numbers and this eſtabliſhed and invariable Proportion from the reſpective Denominations by the ſeperate Election of both Branches

of this Corporation which shall at all Times sitt and Act by sepearte and distinct Powers, and in general in order to the validity and consummation of all Acts there shall be in the Exercise of their respective sepearte and distinct Powers, the Joint concurrence of the Trustees and the Fellows by their respective Majorities except in adjudging and conferring the Academical Degrees which shall for ever belong exclusively to the Fellowship as a Learned Faculty And further it is constituted that the Instruction and immediate Government of the College shall for ever be and Rest in the President and Fellows or Fellowship—And furthermore it is ordained that there shall be a General Meeting of the Corporation on the first Wednesday of September Annually within the College Edifice, and untill the same be Builit at such Place as they shall appoint to consult Advise and transact the Affairs of the College or University at which or at any other time the Public Commencement may be held and Celebrated and that on any special Emergencies the President with any two of the Fellows or any Three of the Fellows exclusive of the President may convoke and they are hereby empowered to convoke an Asembly of the Corporation on twenty Days Notice and that in all Meetings the Major Vote of those Present of the two Branches respectively shall be deemed their respective Majorities aforesaid, provided that not less than twelve of the Trustees & five of the Fellows be a Quorum of their Respective Branches—That the President or in his Absence the Senior Fellow present shall always be Moderator of the Fellows, that the Corporation at their Annual Meetings once in three Years or oftner in Case of Death or Removal shall and may chose a Chancellor of the University and Treasurer from among the Trustees, and a Secretary from among the Fellows, that the Nomination of the Chancellor shall be in the Trustees whose Office shall be only to Preside as a Moderator of the Trustees and that in his Absence the Trustees shall choose a Moderator for the time being by the Name of Vice Chancellor and at any of their Meetings duly formed as aforesaid shall and may be elected a Trustee or Fellow, or Trustees or Fellows in the Room of those Nominated in this Charter who may refuse to accept or in the Room of those who may Die, Resign or be Removed— And furthermore it is enacted ordained and declared that this Corporation at any of their Meetings regularly convened as aforesaid shall and may Elect and appoint the President and Profefsors of Languages and the

several Parts of Literature, and upon the demise of him or them or either of them their Resignation or Removal from his or their Office for Misdemeanor Incapacity or Unfaithfulness, for which he or they are hereby declared removeable by this Corporation others to Elect and Appoint in their Room and Stead, & at such meeting upon the Nomination of the Fellows to Elect and Appoint Tutors Stewards Butlers and all such other Officers usually appointed in Colleges or Universities as they shall find necessary and think fitt to appoint for the promoting Liberal Education and the well ordering the Affairs of this College and them or any of them at their discretion to remove and substitute others in their Places, and in case any President Trustee or Fellow shall see Cause to change his Religious Denomination the Corporation is hereby empowered to declare his or their Place or Places Vacant, and may proceed to fill up it or them accordingly as before directed otherwise each Trustee and Fellow not an officer of Instruction shall continue in his Office, during Life or untill Resignation and further in Case either of the Religious denominations shou'd decline taking a Part in this Catholic Comprehensive and liberal Institution the Trustees and Fellows shall and may compleat their Number by electing from their Respective Denominations always preserving their Respective Proportions, herein before prescribed and determined, and all Elections shall be by Ballot, or written Suffrage, and that a Quorum of four Trustees & three Fellows may transact any Business excepting placing the College Edifice, Election of Trustees, President, Fellows and Professors that is to say so that their Acts shall be of Force and Validity untill the next Annual Meeting and no longer——

AND it is further Enacted and Ordained by the Authority aforesaid that each Trustee and Fellow as well those Nominated in this Charter or all that shall hereafter be duly Elected shall previous to their acting in a corporate Capacity take the Engagement of Allegiance prescribed by the Law of this Colony to His Majesty King George the third, His Heirs and Rightful Successors to the Crown of Great Britain which Engagement shall be Administered to the present Trustees and Fellows by the Governor or Deputy Governor of this Colony and to them from time to time hereafter Elected by their Respective Moderators who are hereby empowered to Administer the same——

AND still the more clearly to define and Ascertain the Respective Powers of the two Branches on making and enacting Laws, it is further Ordained and Declared that the Fellowship shall have Power and are hereby impowered from time to time and all times hereafter to make Enact and Publish all such Laws Statutes Regulations and Ordinances with Penalties as to them shall seem meet for the successful Instruction and Government of said College or University not contrary to the Spirit Extent, true Meaning and Intention of the Acts of the British Parliament or the Laws of this Colony, and the same Laws, Statutes and Ordinances to Repeal, which Laws and the Repeals thereof, shall be laid before the Trustees, and with their Approbation shall be of Force and Validity but not otherwise, and further the Trustees and Fellows at their Meetings aforesaid shall ascertain the Salaries of the Respective Officers and Order the Monies assest on the Students, for Tuition Fines and Incidental Expences to be Collected by the Steward or such other Officer as they shall appoint to Collect the same, and the same with their Revenues and other College Estates in the Hands of the Treasurer to appropriate, in discharging Salaries and other College Debts and the College Accounts shall be Annually Audited and Adjusted in the Meeting of the Corporation and furthermore it is hereby enacted and declared that into this Liberal & Catholic Institution shall never be admitted any Religious Tests but on the Contrary all the Members hereof shall for ever enjoy full free Absolute and uninterrupted Liberty of Conscience and that the Places of Professors, Tutors and all other Officers the President alone excepted shall be free and open for all Denominations of Protestants and that Youths of all Religious Denominations shall and may be freely admitted to the Equal Advantages Emoluments & Honors of the College or University and shall receive a like fair generous & equal Treatment, during their Residence therein, they conducting themselves peaceably and conforming to the Laws and Statutes thereof: And that the Public teaching shall in general Respect the Sciences and that the Sectarian differences of opinions, shall not make any Part of the Public and Classical Instruction, altho' all Religious Controversies may be studied freely examined and explained by the President Professors and Tutors in a personal sepearte and distinct manner, to the Youth of any or each Denomination and above all a constant Regard be paid to and effectual Care taken of the Morals

of the College and furthermore for the honour & encouragement of Literature we constitute and declare the Fellowship aforesaid a learned faculty and do hereby give grant unto and invest them & their Successors with full Power & Authority, and they are hereby Authoriz'd & impowered by their President & in his Absence by the Senior Fellow or one of the Fellows appointed by themselves at the Anniversary Commencements or at any other times and at all Times hereafter to Admit to & Conferr any & all the Learned Degrees which can or ought to be given and conferred in any of the Colleges & Universities in America ~~Europe & particularly in the University in Cambridge & Edinborough in Great Britain~~, or any such other Degrees of Literary Honor as they shall devise upon any and all such Candidates and Persons as the President and Fellows or Fellowship shall Judge worthy of the Academical Honors, which Power of conferring Degrees is hereby restricted to the Learned Faculty, who shall or may Issue Diplomas or Certificates of such Degrees or conferr Degrees by Diplomas and Authenticate them with the Public Seal of the Corporation, and the Hands of the President and Secretary, and of all the Professors as Witnesses and deliver them to the Graduates as Honorable and Perpetual Testimonies, and furthermore for the greater Encouragement of this Seminary of Learning and that the same may be amply endow'd and enfranchised with the same privileges Dignities and Immunities, enjoy'd by the American Colleges and European Universities, we do grant enact Ordain and Declare and it is hereby granted Enacted Ordained and Declared that the College Estate, the Estates Persons and Families of the President and Professors for the Time being lying and being within the Colony with the Persons of the Tutors ~~Graduates~~ and Students during their Residence at the College shall be freed and exempted from all Taxes, serving on Juries and Menial Services, and that the Persons aforesaid shall be exempted from bearing Arms Impresses and Military Services except in Case of an Invasion And furthermore for establishing the perpetuity of this Corporation and in case that at any time hereafter through oversight or otherwise through misapprehensions and mistaken Constructions of the Powers Liberties and Franchises herein contained any Laws should be enacted or any matters done and transacted by this Corporation contrary to the tenor of this Charter it is hereby enacted ordained and declared that all such Laws Acts and Doings shall be in themselves null and

void : yet nevertheless the same shall not in any Courts of Law or by the Gen^l Assembly be deemed taken interpreted or adjudged into an avoidance, defeazance or forfeiture of this Charter but that the same shall be and remain unhurt inviolate and entire unto the said Corporation in perpetual Succession, which Corporation may at all times and forever hereafter proceed & continue to Act ; and all their Acts conformable to the Powers, tenor, true intent and Meaning of the Charter shall be and remain in full force and validity, the nullity and avoidance of any such illegal Acts to the Contrary in any wise notwithstanding—and lastly, We the Governor and Company aforesaid do for ourselves and our Successors, forever hereby enact, Grant & confirm unto the said Trustees and Fellows and to their Successors that this Charter of Incorporation and every part thereof shall be good and available in all things in the Law according to our true Intent and meaning, and shall be construed, reputed & adjudged in all cases most favorably on the behalf and for the best benefit and behoof of the said Trustees and Fellows and their Successors so as most effectually to answer the valuable Ends of this usefull Institution——

In full Testimony of which Grant and of all the Articles and matters therein contained, the said Governor & Company do hereby order that this Act shall be Signed by the Governor and Secretary and Sealed with the publick Seal of this Colony and Registered in the Colonys Records and that the Same or an exemplification thereof shall be a sufficient Warrant to the said Corporation to hold, use and exercise all the Powers, Franchises and Immunities herein contained——

March 2^d 1764

To the House of Mag^{ts}

Gen^l Resolvd that the aforewritten Pass as an Act of this Assembly

Noted & passd Nemine Contradicente

& ord^d Josias Lyndon Clerk

In the Upper House

Read on the Third and concurred Nemine Contradicente

By Ord. Henry Ward Secr'y

NOTE.—The above is in all respects an exact reproduction of the original Copy of the Charter in the office of the Secretary of the State of Rhode Island, in Providence.

On September 4th, 1782, the Corporation omitted from the engagement to be taken by new members the acknowledgement of allegiance to the British Crown, at the same time ordering broken the old seal of the College, which contained the busts of the king and queen of Great Britain. The present seal, of which this volume bears the imprint, was adopted September 3, 1834.

In the spring of 1764, the Rev. James Manning, a recent graduate of the College of New Jersey, opened a Latin School at Warren, Rhode Island, as a step preparatory to the work of college instruction. In September, 1765, he was formally appointed by the Corporation, "President of the College and Professor of Languages and other branches of learning, with full power to act in these capacities at Warren or elsewhere." The first Commencement was held at Warren, in September, 1769. In the spring of 1770 the College was moved to Providence. The corner stone of the first building, still standing as the venerable University Hall, was laid on the fourteenth of May in that year. During the Revolutionary War college studies were suspended, and the building was used by the American and French forces for barracks and a hospital. At its meeting on Thursday, September 6, 1804, in view of distinguished beneficence to the College on the part of Mr. Nicholas Brown, the Corporation, under the power conveyed by the charter to change the title, voted, "That the College be known in all future time by the name of BROWN UNIVERSITY, in Providence, in the State of Rhode Island and Providence Plantations."

In 1863, the General Assembly of the State of Rhode Island passed an Act, subject to the consent of the Corporation, which was at once cordially given, limiting the exemption from taxation of the estates, persons and families of the President and Professors, to the "amount of ten thousand dollars for each of such officers, his estates, persons and family included."

CONDITIONS OF ADMISSION TO THE UNIVERSITY

ADMISSION TO COURSES LEADING TO DEGREES

Pupils from schools of known excellence are admitted to the Freshman Class without examination, on the certificates—not the diplomas—of the principals of these schools. Upon application by the principal of any school from which pupils are received in this manner, the University furnishes blank forms for these certificates.

The regular examinations for admission to the FRESHMAN CLASS will take place in Wilson Hall on Thursday, Friday and Saturday of Commencement Week, June 22, 23 and 24, 1899, beginning at 9 o'clock A. M. on Thursday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be :

THURSDAY, JUNE 22

Greek, Wilson 2, 9 A. M. to 12.30 P. M.

Latin, Wilson 25, 1.30 P. M. to 5 P. M.

History, Wilson 27, 9 A. M. to 11 A. M.

FRIDAY, JUNE 23

Algebra, Wilson 27, 8 A. M. to 10 A. M.

Geometry, Wilson 27, 10 A. M. to 12 M.

German, Wilson 2, 1 P. M. to 3 P. M.

French, Wilson 25, 4 P. M. to 6 P. M.

SATURDAY, JUNE 24

English, Wilson 26, 9 A. M. to 11 A. M.

A second examination in each of the above branches will be offered on Monday, Tuesday and Wednesday, September 19, 20 and 21, 1899, as follows :

MONDAY, SEPTEMBER 18

Greek, Wilson 2, 9 A. M. to 12.30 P. M.*Latin*, Wilson 25, 1.30 P. M. to 5 P. M.*History*, Wilson 27, 9 A. M. to 11 A. M.

TUESDAY, SEPTEMBER 19

Algebra, Wilson 27, 8 A. M. to 10 A. M.*Geometry*, Wilson 27, 10 A. M. to 12 M.*German*, Wilson 2, 1 P. M. to 3 P. M.*French*, Wilson 25, 4 P. M. to 6 P. M.

WEDNESDAY, SEPTEMBER 20

English, Wilson 26, 9 A. M. to 11 A. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

For admission to ADVANCED STANDING, candidates, unless coming from other colleges of high rank, are examined in the studies already pursued by the respective classes which they propose to enter. These examinations for 1899 will be held on Monday and Tuesday, September 18 and 19. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 18. A candidate from another college must present a certificate of his standing in the college which he has left and of regular dismissal from it.

ENTRANCE EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Unless admitted by certificate, or admitted to advanced standing, every candidate for the degree of Bachelor of Arts, must pass, before entering, examinations as follows :

MATHEMATICS

1. Algebra, through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of the fundamental principles and a careful training in accurate computations with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates for the degree of Civil Engineer and Mechanical Engineer are especially requested not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

2. Plane Geometry.

The requirement in Plane Geometry includes the propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry, original propositions and problems in mensuration.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, should pass without some time being given to a mathematical subject. For a four year course an average of two and one-half hours per week during that time will give the best results.

ENGLISH

The examination in English consists of two parts; one to test the candidate's general reading, the other to bring out the results of his more careful study and practice. The entire examination occupies not less than two hours.

1. *Reading and Practice.* In this part the candidate must exhibit a good general knowledge of the subject-matter of each work, and answer simple questions on the lives of the authors. The usual form of examination is the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, named in the examination paper. This writing is intended to test his power of clear and accurate expression. In place of a part of this exercise, the candidate may, under special circumstances, be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading.

In 1899 the books for this portion of the examination will be: Dryden's *Palamon and Arcite*, Pope's *Iliad*, books i, vi, xxii and xxiv, the *Sir Roger De Coverley Papers* in the *Spectator*, Goldsmith's *Vicar of Wakefield*, Coleridge's *Ancient Mariner*, De Quincey's *Flight of a Tartar Tribe*, Cooper's *Last of the Mohicans*, Lowell's *Vision of Sir Launfal* and Hawthorne's *House of the Seven Gables*.

In 1900: Dryden's *Palamon and Arcite*, Pope's *Iliad*, books i, vi, xxii, xxiv, the *Sir Roger De Coverley Papers* in the *Spectator*, Goldsmith's *Vicar of Wakefield*, Scott's *Ivanhoe*, De Quincey's *Flight of a Tartar Tribe*, Cooper's *Last of the Mohicans*, Tennyson's *Princess* and Lowell's *Vision of Sir Launfal*.

In 1901 and 1902: Shakspeare's *The Merchant of Venice*, Pope's *Iliad*, books i, vi, xxii, and xxiv, the *Sir Roger De Coverley Papers* in the *Spectator*, Goldsmith's *The Vicar of Wakefield*, Coleridge's *The Ancient Mariner*, Scott's *Ivanhoe*, Cooper's *The Last of the Mohicans*, Tennyson's *The Princess*, Lowell's *The Vision of Sir Launfal*, George Eliot's *Silas Marner*.

2. *Study and Practice*. This part requires a more careful study of each of the works named. It involves subject-matter, form and structure, and more particularly than Part 1, tests the candidate's ability to express his knowledge with clearness and accuracy.

In 1899 the books for this portion of the examination will be: Shakspeare's *Macbeth*, Milton's *Paradise Lost*, books i and ii, Burke's *Speech on Conciliation with America*, and Carlyle's *Essay on Burns*.

In 1900: Shakspeare's *Macbeth*, Milton's *Paradise Lost*, books i and ii, Burke's *Speech on Conciliation with America*, and Macaulay's *Essays on Milton and Addison*.

In 1901 and 1902: Shakspeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*, Burke's *Speech on Conciliation with America*, Macaulay's *Essays on Milton and Addison*.

The candidate is encouraged to do reading parallel and subsidiary to the books mentioned above; he is recommended to commit to memory as much English poetry as possible, and to pay close attention to the essentials of grammar. A candidate will not be accepted in English, whose work is obviously defective in spelling, punctuation, idiom or divisions into paragraphs.

GREEK

1. Authors: Xenophon's *Anabasis* entire, or four books of the *Anabasis* and three of Homer, regard being had not only to language but to subject-matter as well. Two books of the *Hellenica* may be offered in place of a like amount of the *Anabasis*; and preparation in Homer may be in either the *Iliad* or the *Odyssey*.

2. Grammar: A familiar knowledge of inflection, word-formation and ordinary syntax.

3. Composition: The first twenty-five exercises of Jones's Composition, or Allinson's Composition as far as part iii, or Collar and Daniell's entire.

4. History: The general history of Greece to the death of Alexander.

Candidates are expected to be able to translate at sight simple Attic prose, unusual words being defined, and to write in Greek simple connected narrative based upon the *Anabasis* or the *Hellenica*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in translation of Greek.

LATIN

1. Caesar, Gallic War, books i-iv, or books i-iii and Sallust's *Catiline*, with questions on the subject-matter and on grammar.

2. Ovid, twenty-five hundred lines.

3. Cicero, the Orations against *Catiline* and the Oration for *Archias*, with questions as on Caesar.

4. Vergil, *Aeneid*, books i-vi, or books i-v and the *Eclogues*, with questions on the subject-matter and on prosody.

5. Translation at sight of ordinary passages from Caesar, Cicero's Orations, Vergil's *Aeneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned.

6. Translation into Latin of simple English sentences.

7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

8. Outline of Roman geography, and of Roman history to the end of the reign of Marcus Aurelius.

It is recommended that pupils be accustomed, from the beginning of their preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

In pronouncing Latin, *ā* should be pronounced as in *father*, *ǣ* as in *Cuba*; *ē* as in *prey*, *ĕ* as in *meu*; *ī* as in *machine*, *î* as in *cigar*; *ō* as in *old*, *ô* as in *obey*; *ū* as in *rule*, *ũ* as in *full*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in translation of Latin.

PRELIMINARY EXAMINATIONS IN THE CLASSICS

In the studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, in 1899, on Thursday, June 22, and

then only. They will be held in the South Room of Rhode Island Hall, in the following order:

Greek, 9 to 11 A. M.

Latin, 11.30 A. M. to 1.30 P. M.

The subjects will be:

Greek.—1. Greek Grammar; 2. Three books of Xenophon's *Anabasis*.

Latin.—1. Latin Grammar; 2. Caesar, or Caesar and Sallust, as above; 3. Translation into Latin of simple sentences; 4. Ovid or Cicero or Vergil, as above.

FRENCH OR GERMAN

Each candidate must pass examination upon a certain amount either of French or of German, as he chooses. Candidates who present German for entrance must continue German during the Freshman year, and must take French in their Sophomore year; candidates who present French must continue French in their Freshman year, and must take German in their Sophomore year; candidates who present both French and German may take their choice as to which they will continue in the Freshman year.

FRENCH

For candidates who offer French the requirements are as follows:

1. Proficiency in elementary French grammar, implying, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire* and *craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work necessarily depends. Mastery of Whitney's *Brief French Grammar* will be regarded as sufficient.

2. Ability to translate simple prose at sight.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the college courses.

3. Ability to pronounce French and to recognize French words and simple phrases when spoken.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

GERMAN

For candidates who offer German the requirements are as follows :

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics : declension of such nouns as are readily classified and of adjectives and pronouns ; conjugation of weak and of the more usual strong verbs ; the commoner prepositions ; the simpler uses of the modal auxiliaries ; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read the work assigned in the college courses.

3. Ability to pronounce German and to recognize German words and simple phrases when spoken.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

ENTRANCE EXAMINATIONS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

Unless admitted by certificate or admitted to advanced standing, every candidate for the degree of Bachelor of Philosophy must pass before entering, examinations as follows :

MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 34, 35.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35, 36.

FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 38, 39.

LATIN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on page 37.

SUBSTITUTES FOR LATIN

Instead of the requirement in Latin either one of the four substitutes below described is accepted.

Substitute 1. Minor Requirement in Latin. For pupils nineteen years of age or over, who offer proof of attainments in general subjects such as a diligent and competent student would derive from two years full attendance at a good high school or academy, the above requirement in Latin is reduced to five books of Caesar or its equivalent in Cicero, Vergil or other standard authors. Students offering only this smaller amount of Latin cannot, however, pursue any of the Latin courses in college.

Substitute 2. Greek. Instead of the Latin specified above, whether the major or the minor requirement, candidates for the degree of Bachelor of Philosophy may offer the Greek required for candidates for the degree of Bachelor of Arts as specified on pages 36, 37. Students fulfilling this requirement are permitted to pursue Greek in college.

Substitute 3. German. Candidates *who have already presented French*, may also present German, in which case no Latin examination is required.

Substitute 4. French. Candidates *who have already presented German*, may also present French, in which case no Latin examination is required.

HISTORY

Either the general history of Greece to the death of Alexander, and Roman history to the end of the reign of Marcus Aurelius; or the general history of England and the United States.

ENTRANCE EXAMINATIONS FOR CANDIDATES FOR THE DEGREE
OF BACHELOR OF SCIENCE

Unless admitted by certificate or admitted to advanced standing, every candidate for the degree of Bachelor of Science must pass before entering, examinations as follows:

MATHEMATICS

1. The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 34, 35.

Also:

2. Solid and Spherical Geometry.

3. Plane Trigonometry, with the use of logarithmic and trigonometric tables.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35, 36.

FRENCH OR GERMAN.

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 38, 39.

LATIN

Five books of Caesar or the equivalent thereof in Cicero or Vergil.

SUBSTITUTES FOR LATIN

Substitute 3 or 4 as offered to candidates for the degree of Bachelor of Philosophy as stated on page 40.

HISTORY

The same requirement as for candidates for the degree of Bachelor of Philosophy as stated on page 40.

ENTRANCE EXAMINATIONS FOR CANDIDATES FOR THE DEGREE
OF CIVIL ENGINEER OR OF MECHANICAL ENGINEER.

MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 34, 35.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35, 36.

FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 38, 39.

ADMISSION TO SPECIAL COURSES

The various courses of study in the University, both graduate and undergraduate, are open to mature men of good character who have had the previous training necessary to pursue them with profit. This privilege is intended for those who wish to take advantage of the instruction offered in special branches without pursuing the full course of study required of candidates for a degree; but all students who can do so are advised for their own profit to matriculate for a degree.

Students who withdraw from a preparatory school before completing its course of study are not admitted as special students unless the principal of the school cordially approves such action. Every student must present testimonials of character and ability from the last school or college he has attended unless a long interval has elapsed since he was connected with such institution.

A special student must satisfy the officers of instruction by examination or otherwise of his fitness to take the courses desired. He is subject to the same regulations as to attendance and examinations as a candidate for a degree and must take fifteen hours of class room work per week, unless for satisfactory reasons he receives a smaller assignment. On leaving the University a special student who desires a formal certificate of his attainments may obtain it. No one will be allowed to abuse the privilege thus offered to secure a nominal connection with the University.

COURSES OF INSTRUCTION

FOR GRADUATE STUDENTS

Instruction for graduate students is treated by itself in a later section. Full information concerning it may be had by application to the Registrar.

FOR UNDERGRADUATE STUDENTS

The studies for undergraduates are partly required and partly elective. In the Freshman year the studies are nearly all required, the main exception being that candidates for the degree of Bachelor of Philosophy or of Bachelor of Science have a choice of courses, according as they do or do not wish to pursue an ancient language. The required studies of the Freshman year are selected for disciplinary value in preparation for the studies of subsequent years. Candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy are, during the last three years, allowed large liberty in the choice of studies. Candidates for the degree of Bachelor of Science are allowed less freedom of election, in order that they may thoroughly master the branches necessary to a proper equipment in science; while candidates for the strictly professional degree of Civil Engineer or of Mechanical Engineer are (with the single exception noted on page 50) allowed no option.

The elective studies are so placed in the curriculum as to give all the freedom of choice which the necessary limitations of the schedule of lectures admit. In arranging this schedule a number of parallel courses, each unitary and progressive and extending through the last three years, are made available. Every student is advised, in selecting his studies, to adopt, in the main, one of these courses; and is strongly warned against the danger of choosing his studies hap-hazard, as chance or caprice may direct.

Students who wish to give their work definiteness and unity will find helpful suggestions in the lists of "Courses Preparatory to Professional Studies," set forth in later pages of this Catalogue.

COURSES OF INSTRUCTION ARRANGED ACCORDING TO YEARS AND TERMS

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
Military Drill	Military Drill	Military Drill
	Gymnasium	

SOPHOMORE YEAR

Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
German 1 or French A	German 2 or French B	German 3 or French C
Electives, nine hours	Gymnasium	Electives, nine hours
	Electives, nine hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19†
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

II. ELECTIVE COURSES

All elective courses except Drawing 29, 30, 31, and Civil Engineering 4, are open to candidates for the degree of Bachelor of Arts.

*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year. This note applies also to the courses for all other degrees.

† See note under "Philosophy."

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term.</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
Military Drill	Military Drill	Military Drill
	Gymnasium	

and one of the following :†

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comp. Anat. 15	Comp. Anat. 1	Comp. Anat. 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19‡
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

II. ELECTIVE COURSES

All elective courses, except Drawing 29, 30, 31, and Civil Engineering 4, are open to candidates for the degree of Bachelor of Philosophy.

* See note, p. 44.

† Freshmen whose entrance work is complete may carry Drawing 2, 3, 4 as an extra study.

‡ See note under "Philosophy."

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

I. PRESCRIBED COURSES

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 4, 5	Mathematics 6	Mathematics 7
Mathematics 9	Mathematics 10	Mathematics 12
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2 or	Rhetoric 3 or	Rhetoric 4 or
Rhetoric 2 and 19	Rhetoric 3 and 20	Rhetoric 4 and 21
Military Drill	Military Drill	Military Drill
	Gymnasium	

and one of the following :

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Comp. Anat. 15	Comp. Anat. 1	Comp. Anat. 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Electives, six hours	Gymnasium	Electives, six hours
	Electives, six hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19†
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists of fifteen hours of electives per week.

* See note, p. 44.

† See note under "Philosophy."

II. ELECTIVE COURSES

First Term

Mathematics 13 So. Jr. Sr.	Botany 7 Jr. Sr.	Spanish 1 So. Jr. Sr.
Mathematics 15 Jr. Sr.	Comparative Anatomy 15 So. Jr. Sr.	Italian 1 So. Jr. Sr.
" 21 Sr.	Comparative Anatomy 3 So. Jr. Sr.	History 4 Jr. Sr.
Civil Engineering 1 So. Jr.	Comparative Anatomy 16 Jr. Sr.	" 7 Sr.
Civil Engineering 13 Sr.	Comparative Anatomy 19 Sr.	Philosophy 36 Jr.
Mechanical Engineering 1 So. Jr. Sr.	Mechanics 3 So. Jr. Sr.	" 2 Jr.
Mechanical Engineering 3 Sr.	" 7 Jr. Sr.	" 20 Sr.
Mechanical Engineering 6 Sr.	Astronomy 1 Jr. Sr.	" 29 Jr. Sr.
Mechanical Engineering 10 to 18 So. Jr. Sr.	" 8 Sr.	" 8 Sr.
French 4 So. Jr. Sr.	Chemistry 4 Jr. Sr.	" 5 Sr.
French 13 Jr. Sr.	" 7 Sr.	" 39 Sr.
German 4 So. Jr. Sr.	" 10 Sr.	" 33 Sr.
Botany 1 So. Jr. Sr.	Physics 5 Jr. Sr.	English 1 So. Jr. Sr.
Botany 4 So. Jr. Sr.	" 11 Sr.	" 27 So. Jr. Sr.
	" 13 Sr.	Social Science 1 Jr. Sr.
	" 17 Sr.	Political Science 1 Jr. Sr.
	" 26 Sr.	Pedagogy 1 Sr.
	" 29 Jr. Sr.	Political Economy 1 Jr. Sr.

Second Term

Mathematics 14 So. Jr.	Comparative Anatomy 1 So. Jr. Sr.	Physics 20 Sr.
" 16 Jr. Sr.	Comparative Anatomy 4 So. Jr. Sr.	Spanish 2 Jr. Sr.
" 22 Sr.	Comparative Anatomy 17 Jr. Sr.	Italian 2 Jr. Sr.
Civil Engineering 2 So. Jr.	Comparative Anatomy 20 Sr.	History 5 Jr. Sr.
Civil Engineering 10 Jr. Sr.	Comparative Anatomy 9 Sr.	" 8 Sr.
Civil Engineering 14 Sr.	Mechanics 4 So. Jr. Sr.	Philosophy 37 Jr.
Civil Engineering 15 Jr. Sr.	" 8 Jr. Sr.	" 3 Jr.
Civil Engineering 16 Sr.	Astronomy 2 Jr. Sr.	" 21 Sr.
Mechanical Engineering 4 Sr.	" 3 Jr. Sr.	" 30 Jr. Sr.
Mechanical Engineering 7 Sr.	" 9 Sr.	" 9 Sr.
Mechanical Engineering 10 to 18 So. Jr. Sr.	Chemistry 5 Jr. Sr.	" 23 Sr.
French 5 So. Jr. Sr.	" 8 Sr.	" 40 Sr.
" 14 Jr. Sr.	" 11 Sr.	" 27 Jr. Sr.
German 6 So. Jr. Sr.	" 13 Sr.	" 26 Sr.
Botany 2 So. Jr. Sr.	" 17 Sr.	" 17 Sr.
" 5 So. Jr. Sr.	Physics 9 Jr. Sr.	" 34 Sr.
" 8 Jr. Sr.	" 12 Sr.	English 2 So. Jr. Sr.
" 13 So. Jr. Sr.	" 27 Sr.	" 28 So. Jr. Sr.
	" 14 Sr.	Social Science 2 Jr. Sr.
	" 30 Sr.	Political Science 3 Jr. Sr.
	" 18 Sr.	Pedagogy 2 Sr.

Third Term

Mathematics 30 So. Jr. Sr.	German 8 So. Jr. Sr.	Physics 21 Sr.
Mathematics 8 So. Jr. Sr.	Botany 3 So. Jr. Sr.	“ 19 Sr.
Mathematics 23 Sr.	“ 6 So. Jr. Sr.	“ 28 Sr.
Civil Engineering 3 So. Jr.	“ 12 Jr. Sr.	“ 31 Jr. Sr.
Civil Engineering 8 So. Jr. Sr.	“ 14 So. Jr. Sr.	Spanish 3 Jr. Sr.
Civil Engineering 11 Jr. Sr.	Comparative Anatomy 2 So. Jr. Sr.	Italian 3 Jr. Sr.
Civil Engineering 12 Jr. Sr.	Comparative Anatomy 10 So. Jr. Sr.	History 6 Jr. Sr.
Civil Engineering 17 Jr. Sr.	Comparative Anatomy 18 Jr. Sr.	“ 9 Sr.
Civil Engineering 18 Jr. Sr.	Comparative Anatomy 21 Sr.	Philosophy 38 Jr.
Mechanical Engineering 9 Jr. Sr.	Comparative Anatomy 8 Sr.	“ 19 Jr.
Mechanical Engineering 5 Sr.	Comparative Anatomy 21 Sr.	“ 4 Jr.
Mechanical Engineering 8 Sr.	Comparative Anatomy 8 Sr.	“ 22 Sr.
Mechanical Engineering 10 to 18 So. Jr. Sr.	Mechanics 6 So. Jr. Sr.	“ 31 Jr. Sr.
French 6 So. Jr. Sr.	Astronomy 6 Jr. Sr.	“ 10 Sr.
French 15 So. Jr. Sr.	“ 4 Jr. Sr.	“ 41 Sr.
	“ 10 Sr.	“ 24 Sr.
	Chemistry 6 Jr. Sr.	“ 35 Sr.
	“ 9 Sr.	English 3 So. Jr. Sr.
	“ 12 Sr.	“ 39 Jr. Sr.
	“ 14 Sr.	Social Science 3 Jr. Sr.
	“ 18 Sr.	Political Science 2 Jr. Sr.
	“ 20 Sr.	Political Economy 3 Jr. Sr.
	Physics 10 Jr. Sr.	Geology 3 Sr.
	“ 15 Sr.	Anthropology 1 Sr.
	“ 16 Sr.	Zoölogy 2 Jr. Sr.
		Pedagogy 3 Sr.

FOR CANDIDATES FOR THE DEGREE OF CIVIL ENGINEER

FRESHMAN YEAR

First Term

Mathematics 1
 *French 1 or German 4
 Drawing 2
 Drawing 1
 Drawing 29
 Rhetoric 2
 Military Drill

Second Term

Mathematics 3
 French 2 or German 6
 Drawing 3
 Drawing 5
 Drawing 30
 Rhetoric 3
 Military Drill
 Gymnasium

Third Term

Mathematics 2
 French 3 or German 8
 Drawing 4
 Drawing 6
 Drawing 31
 Rhetoric 4
 Military Drill

SOPHOMORE YEAR

Civil Engineering 1
 Drawing 7
 Mathematics 9
 German 1 or French A
 Physics 1
 Chemistry 1

Civil Engineering 2
 Civil Engineering 4
 Mathematics 10
 German 2 or French B
 Physics 2
 Chemistry 2
 Gymnasium

Civil Engineering 3
 Civil Engineering 8
 Civil Engineering 8a
 Mathematics 12
 German 3 or French C
 Physics 4
 Chemistry 3

JUNIOR YEAR

Civil Engineering 5
 Civil Engineering 5a
 Mathematics 13
 Mechanics 3
 Astronomy 1
 Physics 5

Civil Engineering 6
 Mathematics 14
 Mechanics 4
 Astronomy 3
 Physics 9
 Civil Engineering 16
 Gymnasium

Civil Engineering 7
 Civil Engineering 12
 Mechanics 6
 Astronomy 4
 Physics 10
 Philosophy 19

SENIOR YEAR

Civil Engineering 19
 Civil Engineering 13
 Mechanics 7
 Geology 1
 Thesis

Civil Engineering 10
 Civil Engineering 14
 Civil Engineering 15
 Civil Engineering 20
 Mechanics 8
 Thesis
 Gymnasium

Civil Engineering 11
 Civil Engineering 18
 Civil Engineering 17
 Civil Engineering 21
 Geology 3
 Thesis

*See note p. 44.

FOR CANDIDATES FOR THE DEGREE OF MECHANICAL ENGINEER

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
Drawing 1	Drawing 5	Drawing 6
Drawing 2	Drawing 3	Drawing 4
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2	Rhetoric 3	Rhetoric 4
Military Drill	Military Drill	Military Drill
	Gymnasium	

SOPHOMORE YEAR

Mathematics 9	Mathematics 10	Mathematics 12
Drawing 7	Drawing 8	Drawing 9
Mech. Engineering 1	Mech. Engineering 10	Mech. Engineering 11
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
German 1 or French A	German 2 or French B	German 3 or French C
	Gymnasium	

JUNIOR YEAR

Philosophy 2	Philosophy 3	Philosophy 19
Mathematics 13	Mathematics 14	Mech. Engineering 9
Mechanics 3	Mechanics 4	Mechanics 6
Drawing 10	Drawing 11	Drawing 12
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Physics 5	Physics 9	Physics 10
	Gymnasium	

SENIOR YEAR

Mechanics 7	Mechanics 8	Thesis Work
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 8
Drawing 27 †	Drawing 28 †	Original Design
Mech. Engineering 15	Mech. Engineering 16	
	Gymnasium	

* See note p. 44.

† Students who desire to pursue Electrical Work may, if they so elect, substitute Physics 11, 12 and 15, for Drawing 27 and 28.

COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

I. PHILOSOPHY

PROFESSORS DELABARRE AND EVERETT, DRs. DENNIS AND
MEIKLEJOHN, MESSRS. TILLEY AND FRAZEE

19. *Logic*. Three hours. Third Term. Elective for Juniors.

Intended to make clear the difference between valid and false reasoning.

DR. MEIKLEJOHN

NOTE: Some one complete course in this department is required of every candidate for a degree. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, whether it consists of one term's work or of several. The courses in Pedagogy cannot be taken to satisfy this requirement.

27. *Scientific Methods*. Three hours. Second Term. Elective for Juniors and Seniors who have taken Philosophy 19 or 36.

Aims and methods of Natural Science; an attempt to determine from these the significance of scientific results.

DR. MEIKLEJOHN

- 36, 37, 38. *Philosophical Introduction*. Three hours. Through the year. Elective for Juniors.

An elementary course in the main problems of philosophy and their typical solutions; intended to acquaint the student with the attitude and method adopted in philosophical discussion, and to introduce him to the literature of the subject.

PROFESSORS DELABARRE AND EVERETT, DR. MEIKLEJOHN

- 2, 3, 4. *Psychology, introductory course*. Three hours. Through the year. Elective for Juniors.

The main facts and laws of mental life; particular attention to their arrangement in a thorough and comprehensible scientific system, also to their philosophical bearing. The course is thus of value not only because of the immense importance of a knowledge of mental law for practical life, but also as a transition from the special sciences to philosophy.

PROFESSOR DELABARRE

20, 21, 22. *Psychology, advanced course.* Three hours. Through the year. Elective for Seniors and Graduates.

A seminary for the discussion of important and interesting questions in psychology. First Term, the fundamental principles of psychology; Second Term, abnormal and unusual states of consciousness; Third Term, subject undetermined.

PROFESSOR DELABARRE

29, 30, 31. *Experimental Psychology, introductory laboratory course.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have taken or are taking 2, 3, 4.

Six hours of attendance. The main lines and results of experimental research described; many of them demonstrated by the instructor or worked out by the class; training in the use of apparatus and in careful scientific observation and measurement.

PROFESSOR DELABARRE AND DR. MEIKLEJOHN

39, 40, 41. *Experimental Psychology; advanced and original laboratory work.* Through the year. Elective for students who have taken 29, 30, 31.

This course may be taken for any number of hours up to six in case of undergraduates, or more in case of graduates, with double the number of hours of attendance. The problems investigated will vary from year to year according to the interests of instructor and students, and the course may therefore be taken two or more years in succession. It will aim to make original contributions to scientific knowledge in Psychology and to publish the results.

PROFESSOR DELABARRE AND DR. MEIKLEJOHN

8, 9, 10. *History of Philosophy.* Three hours. Through the year. Elective for Seniors and Graduates.

First Term, Greek philosophy; Second Term, mediaeval and early modern philosophy; Third Term, recent and contemporary philosophy. The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

PROFESSOR EVERETT

5, 23. *Theoretical Ethics.* Three hours. First and Second Terms. Elective for Seniors and Graduates.

Intended to aid in mastering the fundamental problems of life and character. First Term, chiefly a discussion of the fundamental concepts of ethics with the aim of reducing ethical phenomena to a scientific system; Second Term, the history of the development of ethical reflection and a critical examination of the chief systems of modern times.

PROFESSOR EVERETT

26. *Outlines of the History of Religion.* Two hours. Second Term. Elective for Seniors and Graduates.

The great religious systems of the world, chiefly in their philosophical aspects.

PROFESSOR EVERETT

24. *Philosophy of Religion.* Three hours. Third Term. Elective for Seniors and Graduates who have had previous philosophical training.

An investigation of the ultimate grounds of religious belief.

PROFESSOR EVERETT

- 14, 28, 42. *Philosophical Seminary.* Two hours. Through the year. Elective for Graduates.

Lectures, papers and discussions on the more difficult problems of philosophy. Subject for 1898-99, History of Scepticism. The chief lines of negative thought traced throughout the course of European philosophy, but especial attention to the various phases of modern scepticism.

PROFESSOR EVERETT

17. *Discussions in Casuistry.* One hour. Second Term. Elective for Seniors and Graduates.

Intended to aid in clearly formulating views upon different problems of the moral life.

DR. MEIKLEJOHN

- 33, 34, 35. *The Philosophy of Kant.* Two hours. Through the year. Elective for Seniors and Graduates.

Kant's works are studied as the source of German Rationalism, the purpose being not only to discover the author's thought, but also by discussion to follow the trend of his suggestions.

DR. MEIKLEJOHN

Philosophical Club. A Philosophical Club, consisting of Graduate, Senior and Junior students of philosophy in all its branches, has been formed for the encouragement of the independent discussion of philosophical questions and for the fostering of a more intelligent interest in the subject. The club meets once a month for the reading of papers and for free discussion. Though the organization is primarily in the hands of the students, the officers of instruction in the philosophical department, as well as other persons interested in philosophy but not members of the University, are usually present to take part in the proceedings.

PEDAGOGY

PROFESSOR JACOBS, DR. DENNIS, MESSRS. TILLEY AND FRAZEE

1. *History of Educational Theories and Institutions.* Three hours. First Term. Elective for Seniors and Graduates.

Lectures, essays and private reading of educational classics.

DR. DENNIS

2. *Institutes of Pedagogy*. Three hours. Second Term. Elective for Seniors and Graduates.

Lectures, essays and conferences.

PROFESSOR JACOBS

3. *Practical Pedagogy*. Three hours. Third Term. Elective for Seniors and Graduates.

School systems in this country and in Europe, school management and discipline, methods in teaching certain subjects; opportunity for observation of typical schools.

MR TILLEY

4. *Seminary in Pedagogy*. Two hours. First Term. For student-teachers and, by special permission, elective for others.

Herbartian Pedagogy. Lange's Apperception, Dörpfeld's Thought and Memory, Herbart's Science of Education.

PROFESSOR JACOBS

5. *Seminary in Pedagogy*. Two hours. Second Term. For student-teachers and, by special permission, elective for others.

Harris' The Psychological Foundations of Education.

MR. FRAZEE

6. *Seminary in Pedagogy*. Two hours. Third Term. For student-teachers and, by special permission, elective for others.

School Hygiene. Child Study, including the period of adolescence.

PROFESSOR JACOBS

NOTE: From members of the Senior class who have completed the course in Pedagogy offered during the Senior year, the school committees of the City of Providence and of the City of Pawtucket, make appointments to the position of student-teacher in the High School. To those thus appointed the High School serves as a school of observation and practice in connection with the graduate course in Pedagogy. In return for the services rendered, the cities give such a student-teacher half the pay of a regular teacher. The time required each day is somewhat more than half the usual period of service. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of pedagogy and at the same time practical experience in the art of teaching.

7, 8, 9. *Seminary in Methods*. Two hours. Through the year. For student-teachers and, by special permission, elective for others.

Methods in discipline; Latin, Greek, French, English, History, Mathematics, Physics, Chemistry, Botany and Astronomy.

PROFESSOR JACOBS, DR. DENNIS AND MR. TILLEY

10, 11, 12. *Problems in Practical Teaching*. Once a week. Through the year. For student-teachers.

Seminary course. Control and conduct of classes, plans for single lessons and for "method wholes," teaching under observation, observation of the work of experienced teachers, reports, private conferences, theses upon practical questions of educational work.

PROFESSOR JACOBS AND DR. DENNIS

II. HISTORY

PROFESSORS JAMESON AND MUNRO, DR. BURNETT

1. *General Mediaeval History of Europe*. Three hours. First Term. Required of all Juniors.

Recitations and lectures, reports by members of the class, supplementary readings.

PROFESSOR MUNRO

NOTE: Similar methods are used in the following courses, to 9 inclusive.

2. *General Modern History of Europe*. Three hours. Second Term. Required of all Juniors.

PROFESSOR MUNRO

15. *Islam and the Crusades*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

PROFESSOR MUNRO

11. *History of the Renaissance*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1898-99.

PROFESSOR MUNRO

3. *History of the Reformation*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

PROFESSOR MUNRO

16. *French Revolution*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1898-99.

PROFESSOR MUNRO

4. *English Constitutional and Political History to 1625*. Three hours. First Term. Elective for Juniors and Seniors.

DR. BURNETT

5. *English Constitutional and Political History since 1625*. Three hours. Second Term. Elective for Juniors and Seniors.

DR. BURNETT

6. *History of Europe since 1800*. Three hours. Third Term. Elective for Juniors and Seniors.

DR. BURNETT

7. *Constitutional and Political History of the United States to 1763.* Three hours. First Term. Elective for Seniors.

PROFESSOR JAMESON

8. *Constitutional and Political History of the United States from 1763 to 1829.* Three hours. Second Term. Elective for Seniors.

PROFESSOR JAMESON

9. *Constitutional and Political History of the United States since 1829.* Three hours. Third Term. Elective for Seniors.

PROFESSOR JAMESON

10. *Principles of Historical Criticism.* One hour. Through the year. Elective for Graduates.

PROFESSOR JAMESON

13. *History of Historical Writing in Modern Europe.* One hour. Through the year. Elective for Graduates. Not offered in 1898-99.

PROFESSOR JAMESON

17. *Historical Bibliography.* One hour. Through the year. Elective for Graduates. Not offered in 1898-99.

PROFESSOR JAMESON

12. *Practical Course in European History.* One hour. Through the year. Elective for Graduates.

In 1898-99, the history, political and military, of the Spanish Armada.

PROFESSOR JAMESON

14. *Practical Course in American History.* One hour. Through the year. Elective for Graduates and for Seniors who are taking 7, 8 and 9.

In 1898-99, topics in the history of the West.

PROFESSOR JAMESON

Historical Seminary. The Historical Seminary, conducted by Professor Jameson, and including the Graduate Students of history and a few of the most advanced Undergraduates, holds meetings devoted to original papers, to reports upon studies of methods, and to the historical reviews and journals. The Seminary of Mediaeval History, conducted by Professor Munro, is devoted to similar work in connection with his courses.

III. SOCIAL AND POLITICAL SCIENCE

PROFESSORS WILSON AND DEALEY, MR. WILCOX

SOCIAL SCIENCE

1. *Principles of Sociology.* Three hours. First Term. Elective for Juniors and Seniors.

Structure of society, development and nature of social relations.

PROFESSOR WILSON

2. *Social Problems and Conditions.* Three hours. Second Term. Elective for students who have passed in 1.

Some conclusions of anthropology and ethnology; the family, marriage, divorce, immigration, charity, pauperism, criminology, penology, intemperance, education, social legislation.

PROFESSOR WILSON

3. *Social Problems and Conditions, continued.* Three hours. Third Term. Elective for students who have passed in 1 and 2.

PROFESSOR WILSON

4. *Social Philosophy.* Three hours. Third Term. Elective for students who have passed in 1 and for Graduates.

The place of social studies, comparison of aims and ideals in social life, social well-being

PROFESSOR DEALEY

5. *Development of Social Theory.* Three hours. Second Term. Elective for Seniors and Graduates.

Social theories ancient and modern.

PROFESSOR DEALEY

6. *Municipal Functions and Administration.* Three hours. First Term. Elective for Seniors and Graduates.

Segregation of population, its causes; problems. Comparative and historical study.

PROFESSOR DEALEY

- 7, 8, 9. *Current Social Theory and Practice.* One hour. Through the year. Elective for Graduates.

Practical sociological investigations.

PROFESSORS WILSON AND DEALEY

POLITICAL SCIENCE

1. *The State.* Three hours. First Term. Elective for Juniors and Seniors.

Origin, development, forms, end and functions of the state.

PROFESSOR WILSON

2. *Comparative Study of Constitutions* Three hours. Third Term. Elective for students who have passed in 1 and 4.

With special reference to the constitutions of Germany, France, Great Britain and Switzerland.

PROFESSOR DEALEY

3. *International Law and Relations.* Three hours. Second Term. Elective for students who have passed in 1.

PROFESSOR WILSON

4. *United States Constitutions.* Three hours. Second Term. Elective for students who have passed in 1.

National and local constitutions and institutions.

PROFESSOR DEALEY

5. *Development of Political Theory.* Three hours. First Term. Elective for students who have passed in 1.

Growth of important political ideas traced from Plato to the present time, with emphasis upon the evolution of Democracy.

PROFESSOR DEALEY

6. *Roman Law.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1898-99.

Influence of Roman law on political institutions. Historical and legal exposition.

NOTE: An advanced course, three hours a week, in Political Science, including Roman Law, will be offered in 1899-1900.

7. *Diplomacy.* Three hours. Third Term. Elective for students who have passed in 3 and for Graduates.

Art and practice of international negotiation.

PROFESSOR WILSON

- 8, 9, 10. *Current Political Theory and Practice.* One hour. Through the year. Elective for Graduates.

Investigation of topics in American and foreign politics.

PROFESSORS WILSON AND DEALEY

ELEMENTARY LAW

MR. WILCOX

1. *Persons and Personal Property.* Three hours. First Term. Elective for Juniors and Seniors.

NOTE: Groups 1, 2, 3, and 4, 5, 6 are given in alternate years; 1, 2, 3 being the group for 1898-99. They should be taken consecutively, beginning in the Junior year with either 1 or 4. These six courses prepare thorough students to enter law schools with advanced standing and possibly to shorten their law course by one year; they also give a good foundation to the student who expects to prepare for the bar in a law office. The first four courses in particular are of value to all who wish to know the general principles of the Common Law.

2. *Real Property.* Three hours. Second Term. Elective for Juniors and Seniors.

3. *Contracts*. Three hours. Third Term. Elective for Juniors and Seniors.
4. *Torts and Criminal Law*. Three hours. First Term. Elective for Juniors and Seniors.
5. *Common Law Practice and Pleading*. Three hours. Second Term. Elective for Juniors and Seniors.
6. *Evidence*. Three hours. Third Term. Elective for Juniors and Seniors.

IV. POLITICAL ECONOMY

PROFESSOR GARDNER

- 1, 2, 3. *Elementary Course*. Three hours. Through the year. Elective for Juniors and Seniors.

First Term, nature of economics and history of the development of economic life; Second Term, analysis of economic life as found among the more advanced nations of to-day; Third Term, discussion and criticism of the existing economic system and of the more important plans for modifying it.

NOTE: Students must have completed 1 and 2 before taking any other of the courses mentioned.

- 4, 10. *History of Economic Thought*. Three hours. First and Second Terms. Elective for Seniors and Graduates.

First Term, a review of the development of economic thought before Adam Smith, followed by a study of the works of Smith, Malthus, Ricardo Senior, J. S. Mill and Cairnes; Second Term, the more modern development of economic thought including the historical, socialist and Austrian schools and the principal American writers.

NOTE: Courses 4, 10 and 11 constitute a thorough course in economic theory.

11. *Modern Economic Theory*. Three hours. Third Term. Elective for Seniors and Graduates.

Devoted principally to a study of Marshall's Principles of Economics.

7. *Practical Economic Questions*. Three hours. First Term. Elective for Seniors and Graduates.

Criticism of the existing economic system and of the more important plans for modifying it. Given this year because 3 was omitted in 1897-98, three terms being devoted to 1 and 2.

6. *Money and Banking*. Three hours. Second Term. Elective for Seniors and Graduates.

Existing monetary and banking systems, theory of money and credit, current problems.

5. *Public Finance*. Three hours. Third Term. Elective for Seniors and Graduates.

Description and comparison of the financial systems of the United States and foreign nations, including local finance. *Public Finance* by H. C. Adams, will be used as a text book.

A. In the third term an outline course will be offered in connection with the departments of political and social science. The portion of this course devoted to economics will occupy the last third of the term. Three hours. Elective for Sophomores, Juniors and Seniors. This course does not admit to any of the advanced courses in economics.

V. THE FINE ARTS

PROFESSORS POLAND AND ASHTON

HISTORY AND CRITICISM

PROFESSOR POLAND

1. *Ancient Art or Classical Archaeology*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

General course in the history of ancient art, chiefly Greek and Roman. Text-book; lectures illustrated by casts, slides, photographs and engravings; collateral reading.

NOTE: Courses 1, 4 and 6 may be taken independently, but students are advised to elect all three in the above order. Students are strongly advised to take 1, if possible, before any other course in the History of Art. A knowledge of Greek, Latin, German and French is very helpful to those who pursue even the general courses in this department.

4. *Early Christian and Mediaeval Art*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Notice of Byzantine, Arabian, and Oriental art; study of Romanesque and Gothic art. Text-book, lectures, lantern views.

6. *Art of the Renaissance*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch is recognized, the development of art in the different countries of Europe is traced, and the great masters and their most significant works are studied.

7. *Modern Art*. Three hours. First Term. Elective for students who have passed in 6.

The seventeenth and eighteenth centuries.

NOTE: Courses 7, 9 and 8 form a consecutive outline.

9. *Modern Art, continued.* Three hours. Second Term. Elective for students who have passed in 7.

The nineteenth century.

8. *Theory and Criticism of the Fine Arts.* Three hours. Third Term. Elective for students who have passed in any course in the History of Art.

Study of the more important facts and laws of artistic production.

10. *Seminary in Classical Architecture.* Elective for Graduates. Not offered in 1898-99.

Critical study; Vitruvius read in the original Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius in the Renaissance.

NOTE: Courses 10, 11 and 3 constitute a consecutive critical course in classical archaeology, especially useful to those who wish to do advanced work in classical archaeology, philology or history.

11. *Seminary in Greek and Roman Sculpture.* Elective for Graduates. Not offered in 1898-99.

Study of sources; critical reading of selected passages from Greek and Roman authors bearing on the history of sculpture, as presented in Overbeck's *Schriftquellen*.

3. *Seminary Study of the Acropolis of Athens.* Elective for Graduates.

Critical reading, in the Greek, of Pausanias's account of the Acropolis of Athens; lectures and illustrations.

12. *Seminary in Renaissance Art.* Elective for Graduates. Not to be offered in 1899-1900

Critical study of the art of the fifteenth and sixteenth centuries, particularly in Italy. The general spiritual conditions are noted carefully, the influences prevalent in art are analyzed, and the great masters are studied more in detail than in 6, which must be taken (or its equivalent) before this course.

MUSIC

PROFESSOR ASHTON

1, 2, 3. *Harmony.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term, the construction and connection of chords, the writing of exercises; Second Term, modulation, non-harmonic notes, harmonization of melodies; Third Term, analysis of harmony in compositions by the best writers, the study of melody, the writing of compositions.

NOTE: Courses 1 to 9 inclusive are sequential and must be taken in order.

4, 5, 6. *Counterpoint and Canon.* Three hours. Through the year. Elective for Juniors and Seniors.

First Term, simple counterpoint; Second Term, double counterpoint and canon; Third Term, canon and imitation.

7. *Fugue.* Three hours. First Term. Elective for Seniors and Graduates.

8. *Fugue and Free Composition.* Three hours. Second Term. Elective for Seniors and Graduates.

9. *Free Composition and Instrumentation.* Three hours. Third Term. Elective for Seniors and Graduates.

14. *Musical Introduction.* Three hours. Second Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15. *Music and Musicians of the Nineteenth Century.* Three hours. Third Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course to acquaint the student with the life, works and style of Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of this century.

10, 11, 12. *Structure and History of Music.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1898-99.

Lectures on the history of music from the earliest times to the present. Musical forms, the suite form, the sonata form, etc., in the order of their historical appearance and prominence; composers considered in connection with those forms in which they expressed themselves most perfectly.

13. *Sacred Music.* Three hours. Third Term. Elective for Juniors and Seniors. Offered in alternate years. Not offered in 1898-99.

Study of music in its application to religious worship. Subject treated historically, theoretically and practically. Designed for those who are to be intrusted with the conduct of services of divine worship.

20, 21, 22. *The Symphony.* Three hours. Through the year. Elective for Graduates.

Study of the evolution of the symphony orchestra and of the works of symphonists from Haydn to Brahms and Tschaiikowsky.

VI. INDO-EUROPEAN PHILOLOGY

PROFESSOR ALLINSON

1. *General Introduction to the Study of Language.* Three hours. Third Term. Elective for Juniors and Seniors.

Outline of the history of language. The Indo-European family. Adapted for students of Greek and Latin; of English and German, or of the Romance languages.

NOTE: Of courses 1, 6 and 7 not more than two will be given in 1898-99.

- 4, 5. *Sanskrit, elementary.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Adapted to students whose chief interest is found in the Germanic or classical literatures, and philology.

6. *Sanskrit, advanced.* Three hours. Third Term. Elective for students who have completed 4 and 5, or an equivalent.

Selections from the Vedic Hymns.

7. *Seminary in Comparative Philology.* One two-hour session weekly. Third Term. Elective for Graduates and qualified Seniors.

VII. GREEK LITERATURE AND HISTORY

PROFESSORS MANATT AND ALLINSON, MR. WHITAKER

1. *Lysias.* Three hours. *Greek Prose Composition.* One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

Lysias, select orations and practice in sight reading.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

2. *Plato.* Three hours. *Greek History.* One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato, the Apology and Crito, with other selections for sight reading. The fourth hour is devoted to illustrated historical lectures in connection with the reading of a standard work on Greek history.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

3. *Homer.* Three hours. *Greek Literature.* One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

Homer, the Odyssey, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archaeological research.

PROFESSORS MANATT AND ALLINSON AND MR. WHITAKER

4. *Attic Orators*. Three hours. First Term. Elective for Sophomores.

Select speeches of Antiphon, Andocides, and Isaeus (from Jebb's Selections) and the Philippics of Demosthenes; parallel reading, Jebb's *Attic Orators*, Brougham's *Dissertation on the Eloquence of the Ancients*, etc.

PROFESSOR MANATT

5. *Lucian*. Three hours. Second Term. Elective for Sophomores.

PROFESSOR ALLINSON

6. *Dramatic Poets*. Three hours. Third Term. Elective for Sophomores.

PROFESSOR MANATT

- 7, 8, 9. *Historians*. Three hours. Through the year. Elective for Juniors and Seniors who have completed 1-6 or equivalent work. Not offered in 1898-99.

Herodotus, Thucydides and Xenophon; parallel reading from Plutarch's *Lives*, outline sketch of Greek history down to the present day.

PROFESSOR MANATT

10. *Isaeus*. Three hours. First Term. Elective for students who have completed 1-6 or equivalent work. Not offered in 1898-99.

The extant speeches read and discussed in their bearings on Athenian family life and testamentary law; collateral reading, Jebb's *Attic Orators*.

PROFESSOR MANATT

11. *Demosthenes*. Three hours. Second Term. Elective as 10. Not offered in 1898-99.

Private Speeches, selected to illustrate the workings of Athenian institutions.

PROFESSOR MANATT

12. *Aeschines and Demosthenes*. Three hours. Third Term. Elective as 10. Not offered in 1898-99.

Speeches on the Crown; study of the Macedonian period and of Athenian political life.

PROFESSOR MANATT

- 13, 14, 15. *Homer*. Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1898-99.

The *Odyssey*, portions of the *Iliad* and the Hymns in the original, the remainder of the poems in translation.

PROFESSOR MANATT

16. *Herodotus I-III*. Three hours. First Term. Elective for Juniors and Seniors.

Includes a rapid reading of the earlier books of Herodotus illustrating the connection between Greece, Egypt and Asia.

PROFESSOR ALLINSON

17. *Thucydides*. Three hours. Second Term. Elective for Juniors and Seniors.

One book entire with selections from the rest. Collateral study of the topography and monuments, of Athenian politics in the Fifth Century, and of the sources of Greek History.

PROFESSOR MANATT

18. *Thucydides, continued; or Demosthenes on the Crown* (as the class may elect). Three hours. Third Term. Elective for Juniors and Seniors.

PROFESSOR MANATT

22, 23, 24. *Modern Greek*. One hour. Through the year. Elective for Sophomores, Juniors and Seniors.

PROFESSOR MANATT

28, 29, 30. *Plato and Lucian*. Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1898-99.

PROFESSOR ALLINSON

43. *Greek Composition, advanced*. One hour. Third Term. Elective for Sophomores, Juniors and Seniors.

Practice in prepared and in extemporaneous writing of Greek. For those who intend to teach or otherwise to specialize in the classics.

PROFESSOR ALLINSON

25, 26. *Thucydides*. One two-hour session weekly. First and Second Terms. Elective for Graduates and approved Seniors.

The narrative read entire with selections from the speeches, supplemented by an outline study of Greek History from the earliest times down to the present day. Special attention paid to topography, politics, and historical sources.

PROFESSOR MANATT

31, 32, 33. *Orators*. Two hours. Through the year. Elective for Graduates and Approved Seniors. Not offered in 1898-99.

Antiphon, Andocides, Isaeus; Greek historical inscriptions.

PROFESSOR MANATT

34, 35, 36. *Greek Seminary*. One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term, (a) Interpretation of Hesiod; Second Term, (b) Interpretation of Lucian; Third Term, (a) Interpretation of Pindar, or (b) Comparative Philology.

PROFESSOR MANATT (a) AND PROFESSOR ALLINSON (b)

40, 41, 42. *Homer and Mycenaean Archaeology*. Three hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1898-99.

PROFESSOR MANATT

VIII. ROMAN LITERATURE AND HISTORY

PROFESSOR HARKNESS, MESSRS. GREENE, SHIPPEE AND BICKNELL

1. *Livy*. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

PROFESSOR HARKNESS, MESSRS. GREENE, SHIPPEE AND BICKNELL

NOTE: While grammatical study and literary criticism receive attention in this as in the other courses of the Freshman year, the special aim is to enable the student to acquire facility in reading and to instruct him in the use of the Latin texts as a means of acquiring a knowledge of the public and private life of the Romans.

2. *Cicero*. Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Letters; Cicero and his times.

PROFESSOR HARKNESS, MESSRS. GREENE, SHIPPEE AND BICKNELL

3. *Tacitus*. Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Germania and Agricola; history of the Early Empire.

MESSRS. GREENE, SHIPPEE AND BICKNELL

4. *Horace*. Three hours. First Term. Elective for Sophomores.

Odes and Epodes, Ovid's lyrics; lectures on lyric poetry.

MR. GREENE

NOTE: In this as in the other Sophomore courses, the literary side of the study is made prominent. A part of the time is occupied with a critical study of the poems, while a part is devoted to rapid reading with a view to comprehending the spirit of the authors. Lectures are given by the instructor, and literary topics are assigned to the class for special study.

5. *Catullus, Tibullus and Propertius*. Three hours. Second Term. Elective for Sophomores.

Lyric poetry continued.

MR. GREENE

6. *Satires of Horace and Juvenal*. Three hours. Third Term. Elective for Sophomores.

PROFESSOR HARKNESS AND MR. GREENE

7. *Origin of Latin Poetry and Development of the Drama*. Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1898-99.

Readings from Plautus and Terence.

PROFESSOR HARKNESS

NOTE: The advanced courses open to Juniors and Seniors, relate to the development and history of Roman literature. Poetry and prose are discussed in alternate years. The aim of these courses is to give a connected and comprehensive view of the entire range of Roman literature. Comparatively little time is occupied with the formal work of recitation. Lectures are given on the lives and writings of the authors, and characteristic selections are read and discussed. Topics in literary history and criticism, adapted to individual tastes, are assigned to members of the class for special study and investigation.

8. *Poetry of the Republic, continued, and Poetry of the Augustan Age*. Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1898-99.

Readings from Lucretius and other authors of this period.

PROFESSOR HARKNESS

9. *Poetry of the Silver Age*. Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1898-99.

PROFESSOR HARKNESS

11. *Prose of the Republican Period*. Three hours. First Term. Elective for Juniors and Seniors.

Development of oratory; readings from Specimens of Early Latin, from Cicero's Brutus, and from Quintilian.

PROFESSOR HARKNESS

12. *Prose of the Augustan Age*. Three hours. Second Term. Elective for Juniors and Seniors.

Development of historical writing; readings from the historians.

PROFESSOR HARKNESS

13. *Prose of the Silver Age*. Three hours. Third Term. Elective for Juniors and Seniors.

Roman philosophers; readings from Seneca and from other authors of this period.

PROFESSOR HARKNESS

37, 38, 39. *Latin Composition*. One hour. Through the year. Elective for Sophomores, Juniors and Seniors. Not offered in 1898-99.

PROFESSOR HARKNESS

10, 14, 15. *Private Life and Antiquities of Rome*. One hour. Through the year. Elective for Juniors, Seniors and Graduates.

PROFESSOR HARKNESS

31, 32, 33. *Roman Architecture and Topography*. One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Illustrated by photographs, slides, etc.

PROFESSOR HARKNESS

16, 17, 18. *Pliny the Younger*. One hour. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1898-99.

Letters; also selected passages of other authors illustrating the private life of the Romans.

PROFESSOR HARKNESS

19, 20, 21. *Seminary in Epigraphy*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates.

Study of epigraphical alphabets, illustrated by Huebner's *Exempla Scripturae Epigraphicae Latinae*; introductory lectures preparatory to the investigation of special topics in the *Corpus Inscriptionum Latinarum*; investigation by the class of special questions relating to the Latin language and to Roman life.

PROFESSOR HARKNESS

22, 23, 24. *Seminary in Palaeography and Textual Criticism*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates. Not offered in 1898-99.

Lectures illustrated by fac-similes of manuscripts, critical study of authors with special reference to the manuscripts and to the establishment of the correct text.

PROFESSOR HARKNESS

25, 26, 27. *Seminary in Numismatics*. One hour. Through the year. Elective for Graduates. Not offered in 1898-99.

Roman monetary system, study of Roman coins as illustrating Roman life, history and art, pictures and specimens of Roman coins.

PROFESSOR HARKNESS

28, 29, 30. *Seminary in Roman History*. One hour. Through the year. Elective for Graduates.

Investigation of special problems of Roman life and history from inscriptions and other original sources.

PROFESSOR HARKNESS

34, 35, 36. *Roman Provincial Administration*. Two hours. Through the year. Elective for Graduates. Not offered in 1898-99.

Reading from Cicero's Orations against Verres.

PROFESSOR HARKNESS

ENGLISH LITERATURE AND LANGUAGE

PROFESSORS BRONSON, SEARS AND POTTER, MR. WOOD

10, 11, 12. *Anglo-Saxon*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Essentials of the grammar, prose selections, *Béowulf*.

PROFESSOR POTTER

27, 28. *Chaucer*. Three hours. First and Second Terms. Elective for Sophomores, Juniors and Seniors.

Work mainly linguistic, aiming to enable the student to read Chaucer intelligently.

PROFESSOR POTTER

39. *The History of the English Language*. Three hours. Third Term. Elective for students who have passed in 11 or 28.

PROFESSOR POTTER

1, 2, 3. *English Literature*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

General course, dealing with the greater poets and prose-writers from Spencer to Arnold. The aim is to cultivate the habit of thoughtful reading and the appreciation of literary form, and to give a general knowledge of the history of English literature.

PROFESSOR BRONSON

4, 5, 6. *Shakspeare*. Three hours. Through the year. Elective for Juniors and Seniors.

May be taken two years in succession. Work chiefly linguistic and interpretative, some attention to the literary history and sources of the plays read.

PROFESSOR POTTER

31, 32, 33. *English Literature from Dryden to Burns*. Three hours. Through the year. Elective for Juniors and Seniors.

Any one term of the course may be taken separately. Special attention to the development of the novel and to the beginnings of the romantic movement.

MR. WOOD

43, 44, 45. *Blake to Keats*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Interpretation and criticism of the greater poets of the period; some study of minor authors in their relation to the historical development of romanticism.

PROFESSOR BRONSON

46, 47, 48. *English Poetry of the Victorian Period*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

First Term, Tennyson; Second Term, Browning; Third Term, Arnold, Rossetti, Swinburne and other minor poets of the period.

PROFESSOR BRONSON

50, 51, 52. *English Essayists of the Nineteenth Century*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3 and Rhetoric 2, 3, 4.

PROFESSOR BRONSON

16, 17, 38. *American Literature*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Any one term of the course may be taken separately. The entire field, from 1607 to the present day.

PROFESSOR SEARS

X. RHETORIC AND ORATORY

PROFESSOR LAMONT, MESSRS. FOGG, WHIPPLE, WOOD, CHAMBERLAIN
AND PERKINS

2, 3, 4. *Practical Rhetoric*. Three hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshmen year. For Freshmen and Sophomores who do not elect 19, 20, 21, this course is increased to four hours.

PROFESSOR LAMONT, MESSRS. FOGG, WHIPPLE, WOOD, CHAMBERLAIN
AND PERKINS.

33, 34, 35. *Argumentative Composition*. One hour. Through the year. Required of all Juniors.

PROFESSOR LAMONT, MESSRS. WHIPPLE, WOOD AND CHAMBERLAIN

16, 17, 18. *English Composition, advanced*. Three hours. Through the year. Elective for students who have passed in 2, 3, 4.

PROFESSOR LAMONT

27, 28, 29. *Oral Discussion*. Three hours. Through the year. Not offered in 1898-99.

PROFESSOR LAMONT AND MR. FOGG

19, 20, 21. *Public Speaking*. One hour. Through the year. Elective for Sophomores, and for Freshmen who are candidates for the degree of Bachelor of Philosophy or Bachelor of Science.

Weekly exercises in declamation, individual training.

NOTE: This course may be elected by Freshmen, candidates for the degree of Bachelor of Arts, as an extra study, providing their standing is satisfactory.

MR. FOGG

36, 37, 38. *Public Speaking, advanced course*. One hour. Through the year. Elective for students who have passed in 19, 20, 21.

Frequent declamations, individual training.

MR. FOGG

XI. GERMANIC LANGUAGES AND LITERATURES

PROFESSORS WILLIAMS AND CROWELL, DR. POOR

GERMAN

1. *Elementary Course*. Three hours. First Term. Required of all Sophomores who did not present German for entrance.

PROFESSOR CROWELL AND DR. POOR

2. *Intermediate Course*. Three hours. Second Term. Required of all Sophomores who did not present German for entrance.

Grammar, composition, conversation; selections from Goethe, Uhland, Schiller, Freytag, Benedix and Heyse.

PROFESSOR CROWELL AND DR. POOR

3. *Nineteenth Century Prose*. Three hours. Third Term. Required of all Sophomores who did not present German for entrance.

Reading at sight, grammar, composition, conversation.

PROFESSOR CROWELL AND DR. POOR

4. *Lessing*. Three hours. First Term. Elective for students who have passed in 1, 2, 3 and required of all who presented German for entrance.

Emilia Galotti, Minna von Barnhelm; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

6. *Schiller*. Three hours. Second Term. Elective for students who have passed in 4 and required of all who presented German for entrance.

Jungfrau von Orleans, Balladen und Romanzen; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

8. *Goethe*. Three hours. Third Term. Elective for students who have passed in 6 and required of all who presented German for entrance.

Iphigenie auf Tauris, Die Leiden des jungen Werthers; lectures on life and works.

PROFESSORS WILLIAMS AND CROWELL

46, 47, 48. *Goethe's Faust, Parts I and II*. Three hours. Through the year. Elective for students who have passed in 8.

Lectures, essays, original text read by students in class, weekly written translations.

PROFESSOR WILLIAMS

16. *German Literature*. Three hours. First Term. Elective for students who have studied German not less than two years.

Klopstock, Lessing, Wieland, Herder; *Die Aufklärung, Der Göttinger Dichterbund, Die Sturm- und Drangperiode*.

PROFESSOR WILLIAMS

17. *German Literature*. Three hours. Second Term. Elective for students who have passed in 16.

Schiller.

PROFESSOR WILLIAMS

18. *German Literature*. Three hours. Third Term. Elective for students who have passed in 17.

Goethe.

PROFESSOR WILLIAMS

40, 41, 42. *Composition*. One hour. Through the year. Elective only for students pursuing the regular courses of the second or third year in German, and for those who have passed in 48.

PROFESSOR CROWELL

10. *Middle High German*. Three hours. First Term. Elective for students who have had at least one year of German.

Grammar, *Das Nibelungenlied*.

PROFESSOR WILLIAMS

NOTE: This course, like the following courses in German and those in Gothic and Old Norse, is primarily for Graduates, but may be taken by qualified undergraduates.

11. *Middle High German*. Three hours. Second Term. Elective for students who have passed in 10.

Walther von der Vogelweide.

PROFESSOR WILLIAMS

12. *Middle High German*. Three hours. Third Term. Elective for students who have passed in 11.

The Court Epics, Hartmann von Aue's *Iwein* and *Der arme Heinrich*, Gottfried von Strassburg's *Tristan*, Wolfram von Eschenbach's *Parzival*.

PROFESSOR WILLIAMS

19, 20, 21. *Old High German*. One hour. Through the year. Elective for Graduates.

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*.

PROFESSOR WILLIAMS

34, 35, 36. *Germanic Philology*. Two hours. Through the year. Elective for Graduates.

PROFESSOR WILLIAMS

28, 29, 30. *Germanic Mythology*. One hour. Through the year. Elective for Graduates.

PROFESSOR WILLIAMS

GOthic

1, 2, 3. *Gotische Grammatik*. One hour. Through the year. Elective for Graduates.

Heine's *Stamm's Ulfilas*.

PROFESSOR WILLIAMS

OLD NORSE

1, 2, 3. *Introductory*. One hour. Through the year. Elective for Graduates.

Noreen's *Altnordische Grammatik*, Wilken's *Snorra Edda*.

4, 5, 6. *Advanced*. One hour. Through the year. Elective for Graduates.

Egilssaga, *Gunnlaugssaga*, Ari's *Islendingabók*; Old Norse literature.

ROMANCE LANGUAGES AND LITERATURES

PROFESSOR LANGDON, MESSRS. JOHNSON AND MORSE

FRENCH

A, B, C. *Elementary French*. Three hours. Through the year. Required of all Sophomores who did not present French for admission.

Grammar, composition, dictation, translation into idiomatic English of selections from modern authors. The equivalent of the French required for admission.

MR. MORSE

1, 2, 3. *Language*. Three hours. Through the year. Required of all Freshmen who presented French for admission.

Rapid translation of modern authors, composition, special study of unusual constructions and idioms. Intended to enable the students to read ordinary French at sight.

MESSRS. JOHNSON AND MORSE

4, 5, 6. *Literature*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Selected masterpieces of Corneille, Racine, Molière, Victor Hugo, Alfred de Musset, Balzac, Daudet and Zola, read in the original, only difficult construction and rare words being translated; attention to the principal literary features of the works read.

PROFESSOR LANGDON

13, 14, 15. *Practice in Writing and Speaking*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Complementary to 4, 5, 6.

MR. JOHNSON

28, 29, 30. *Literature, advanced*. Three hours. Through the year. Elective for students who have passed with credit in 4, 5, 6 and 13, 14, 15. Not offered in 1897-98.

Study of the principal authors of the classical, romantic and realistic schools, in connection with Lauson's *Histoire de la Littérature Française*; weekly reports on assigned collateral reading. This course is intended only for those who have acquired the ability to read rapidly. The department library is at the disposal of the class.

PROFESSOR LANGDON

34, 35, 36. *Old French and Provençal*. Three hours. Through the year. Elective for Seniors and Graduates.

Introductory course in Romance Philology and in the literature of the middle ages in France; special field of study arranged in accordance with the needs of those who elect the course.

MR. JOHNSON

ITALIAN

1, 2, 3. *Modern Italian*. Three hours. Through the year. Elective for Juniors or for Sophomores not electing more than one other modern foreign language.

Grammar, composition and rapid reading. Enables those who are proficient in Latin and French to read Italian at sight.

PROFESSOR LANGDON

10, 11, 12. *Fourteenth Century Classics*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3. Not offered in 1897-98.

The whole of Dante's *Divina Commedia* translated; also such selections from the *Rime* of Petrarca, and the *Decamerone* of Boccaccio as time will permit.

PROFESSOR LANGDON

19, 20, 21. *Sixteenth Century Classics*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Ariosto's *Orlando Furioso*, Tasso's *La Gerusalemme Liberata*, and Machiavelli's *Il Principe*.

PROFESSOR LANGDON

COMPARATIVE LITERATURE

7, 8, 9. *Dante in English*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

The whole of the *Divina Commedia* in English, one-third of the time being devoted to a study of the poem in the light of the great world-poems, Job, the Odyssey, the Aeneid, Paradise Lost, Faust, and the Ring and the Book. An introduction to a study of comparative literature by means of translations. As a survey of the greatest monuments of literature from the point of view of the most universal and central of all, this course is valuable to students who cannot study many literatures in the original, and who yet desire some acquaintance with what is best in the poetic culture of the world.

PROFESSOR LANGDON

SPANISH

1, 2, 3. *Modern Spanish*. Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language.

Conversation, composition and rapid reading.

MR. JOHNSON

XIII BIBLICAL LITERATURE AND HISTORY.

PROFESSOR KENT, MESSRS. BLAUSTEIN AND SCHWEGLER

HEBREW

1, 2. *Elementary Hebrew*. Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

First Term, grammar; Second Term, reading of Genesis iii-viii, translation of English into Hebrew.

PROFESSOR KENT AND MR. SCHWEGLER

3. *Historical Hebrew*. Three hours. Third Term. Elective for students who have passed in 1 and 2.

Reading in the original of passages selected from the Books of Samuel, with a study of Hebrew syntax and textual criticism.

PROFESSOR KENT AND MR. SCHWEGLER

4, 5, 6. *Hebrew Seminary*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Subject for 1898-99, the Prophetical Literature of the Old Testament. Critical translation of the more important prophecies. Especial attention to the vocabulary, ideas, character and methods of the different prophets.

PROFESSOR KENT

7, 8, 9. *Hebrew Seminary*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Not offered in 1898-99.

The Psalm and Wisdom Literature of the Old Testament.

PROFESSOR KENT

ARAMAIC

1. *Biblical Aramaic*. Two hours. Second Term. Elective for Juniors, Seniors and Graduates.

Translation of the Aramaic portions of Daniel and Ezra.

MR. BLAUSTEIN

SYRIAC

1. *Elementary Syriac*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Wilson's Manual.

MR. BLAUSTEIN

ASSYRIAN

- 1, 2. *Elementary Assyrian*. Two hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Lyon's Manual.

PROFESSOR KENT

3. *Historical Assyrian*. Two hours. Third Term. Elective for Juniors, Seniors and Graduates.

Delitzsch's Assyrian Grammar and Abel and Winckler's *Keilschrifttexte*.

PROFESSOR KENT

- 4, 5, 6. *Assyrian Seminary*. One hour. Through the year. Elective only for advanced Semitic students.

Rapid reading of historical and religious inscriptions.

PROFESSOR KENT *

ARABIC

- 1, 2. *Elementary Arabic*. Two hours. Second and Third Terms. Elective for Juniors, Seniors and Graduates.

MR. BLAUSTEIN

NEW TESTAMENT LANGUAGE AND LITERATURE

1. *The Gospel of Mark*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

A knowledge of Greek equivalent at least to the work of one college year is required. Critical translation; study of linguistic peculiarities; text criticism.

PROFESSOR KENT

2. *The Gospels of Luke and Matthew*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

PROFESSOR KENT

3. *Paul's Corinthian Epistles*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1898-99.

Rapid reading; analysis of thought; study of Pauline teaching.

PROFESSOR KENT

5. *Gospel of John*. Three hours. First Term. Elective for Juniors, Seniors and Graduates. Not offered in 1897-98.

Critical translation; study of characteristics, aim, teachings and the question of date and authorship.

PROFESSOR KENT

7. *Book of Acts*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Interpretation; analysis of structure.

PROFESSOR KENT

BIBLICAL LITERATURE IN ENGLISH

4. *The Beginnings of Hebrew History*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

PROFESSOR KENT

NOTE: These Courses, 1-6, are for general students as well as for those intending special Biblical work. They are not repeated in successive years, but form a two years' consecutive course, giving a comprehensive view of the entire field of Biblical history. The sources, Biblical and monumental, for each epoch, are studied; then the political, social and religious life and development. The date and authorship of books and the various other questions of literary history for each period are examined, and the teachings of the several documents drawn out and formulated.

5, 6. *Hebrew History and Literature*. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

From the settlement in Canaan to the Exile.

PROFESSOR KENT

1. *Jewish History and Literature*. Three hours. First Term. Not offered in 1898-99.

From the Exile to the Maccabean Period.

PROFESSOR KENT

2. *New Testament History and Literature*. Three hours. Second Term. Not offered in 1898-99.

PROFESSOR KENT

3. *The Beginnings of Christianity*. Three hours. Third Term. Not offered in 1898-99.

PROFESSOR KENT

Biblical Research Club. A Biblical Research Club, including graduate and undergraduate students interested in the work of the department, has been formed to investigate special Biblical subjects and to promote a more general and intelligent interest in the study of the literature and history of the Bible. The club meets once a month for the review of new books and current literature, reading of papers and free discussion. Arrangements are also made for special addresses before the club.

XIV. PURE MATHEMATICS

PROFESSORS CLARKE, DAVIS AND MANNING, DR. SLOCUM, MESSRS.
KENERSON AND HYDE

1. *Geometry, Solid and Spherical.* Five hours. First Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, DR. SLOCUM, MESSRS. KENERSON
AND HYDE

3. *Algebra.* Five hours. Second Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer, or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, DR. SLOCUM, MESSRS. KENERSON
AND HYDE

2. *Trigonometry, Plane and Spherical.* Five hours. Third Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

PROFESSORS DAVIS AND MANNING, DR. SLOCUM, MESSRS. KENERSON
AND HYDE

4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

DR. SLOCUM

5. *Algebra.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

DR. SLOCUM

6. *Algebra.* Two hours. Second Term. Required of candidates for the degree of Bachelor of Science.

A continuation of 5.

DR. SLOCUM

7. *Algebra*. Two hours. Third Term. Required of candidates for the degree of Bachelor of Science.

A continuation of 6.

PROFESSOR MANNING

8. *Determinants and Theory of Equations*. Three hours. Third Term. Elective for students who have passed in 3, or 5, 6, 7.

PROFESSOR MANNING

9. *Analytic Geometry*. Three hours. First Term. Elective for students who have passed in 1, 2 and 3; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS AND DR. SLOCUM

10. *Analytic Geometry*. Three hours. Second Term. Elective for students who have passed in 9; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS AND DR. SLOCUM

11. *Modern Methods in Analytic Geometry*. Three hours. Third Term. Elective for students who have passed in 10. Offered in alternate years. Not offered in 1898-99.

PROFESSOR MANNING

30. *Solid Analytic Geometry*. Three hours. Third Term. Elective for students who have passed in 10. Offered in 1898-99 and in alternate years.

PROFESSOR MANNING

12. *Differential Calculus*. Three hours. Third Term. Elective for students who have passed in 9 and 10; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

13. *Integral Calculus*. Three hours. First Term. Elective for students who have passed in 12; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

14. *Applications of the Calculus*. Three hours. Second Term. Elective for students who have passed in 12 and 13; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

PROFESSOR DAVIS

15. *Differential Equations*. Three hours. First term. Elective for students who have passed in 13.

PROFESSOR MANNING

16. *Differential Equations*. Three hours. Second Term. Elective for students who have passed in 15.

PROFESSOR MANNING

18, 19, 20. *Modern Algebra, Higher Plane Curves and Surfaces.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16 and 30. Not offered in 1898-99.

Based upon the works of Salmon, Clebsch and Darboux.

PROFESSOR MANNING

NOTE: Courses 18, 19, 20 alternate with 21, 22, 23.

21, 22, 23. *Theory of Functions.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16.

PROFESSOR MANNING

24, 25, 26. *Differential Equations, advanced.* Three hours. Through the year. Elective for Graduates who have passed in 23. Not offered in 1898-99.

Based upon the works of Craig, Jordan, Picard and Goursat.

PROFESSOR MANNING

NOTE: Courses 24, 25, 26 alternate with 27, 28, 29.

27, 28, 29. *Substitutions and Transformation Groups.* Three hours. Through the year. Elective for Graduates.

PROFESSOR MANNING

XV. DRAWING

PROFESSORS RANDALL AND BURNHAM, MR. KENERSON

1. *Elementary Mechanical Drawing.* Four hours. First Term. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy.

Eight hours of drawing. Nature, care and use of drawing instruments; elements of orthographic and isometric projection. Largely mathematical; demanding original investigation and accurate execution.

PROFESSOR RANDALL

16. *Elementary Mechanical Drawing.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Six hours of drawing. Similar to 1. Primarily for candidates for the degree of Bachelor of Arts.

PROFESSOR RANDALL

5, 6. *Descriptive Geometry.* Four hours. Second and Third Terms. Required of Freshmen who are candidates for the degree of Bachelor of

Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and have passed in 1.

Three hours of recitation and two hours of drawing. Theory of orthographic and scenographic projection, discussion and proof of theoretical and practical problems, presentation of principles most needed in handling the complicated problems of engineering.

PROFESSOR RANDALL

17, 18. *Descriptive Geometry*. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed in 1 or 16.

Two hours of recitation and two hours of drawing. Similar to 5 and 6. A continuation of 16.

PROFESSOR RANDALL

7. *Shades and Shadows and Perspective*. Three hours. First Term. Required of candidates for the degree of Civil Engineer or Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Two hours of recitation and two hours of drawing. Derivation and proof of theoretical and practical formulae. Based on descriptive geometry, largely mathematical.

PROFESSOR RANDALL

14. *Shades and Shadows and Perspective, advanced*. Three hours. Third Term. Elective for students who have passed in 7.

Six hours of drawing. Derivation and application of theoretical and practical formulae. Perspective of shadows. Arranged for students in architecture.

PROFESSOR RANDALL

8. *Elementary Machine Drawing*. Three hours. Second Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Six hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

PROFESSOR RANDALL

9. *Gearing*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing-room, of illustrative problems.

PROFESSOR BURNHAM

10, 11. *Machine Drawing, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 8 and 9.

Six hours of drawing. Sketches, detail and assembly drawings of complicated machines.

PROFESSOR BURNHAM

12. *Elements of Machine Design.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

PROFESSOR BURNHAM

27, 28. *Machine Design, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

Six hours of drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

PROFESSOR BURNHAM

15. *Constructive Geometry.* Three hours. First Term. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

PROFESSOR RANDALL

13. *Constructive Geometry.* Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

PROFESSOR RANDALL

19. *Mechanical Drawing.* Three hours. Second Term. Elective for students who have passed in 16.

Six hours of drawing. Graphical solution of advanced plane and solid geometrical problems, advanced practical orthographic and isometric projection. For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry.

PROFESSOR RANDALL

20. *Mechanical Drawing, continued.* Three hours. Third Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

PROFESSOR RANDALL

29, 30, 31. *Lettering.* One hour. Through the year. Open only to students who are candidates for the degree of Civil Engineer.

Two hours of drawing.

PROFESSOR HILL

2, 3, 4. *Freehand Drawing.* One hour. Through the year. Required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Two hours of drawing. Intended to give training in freehand lettering and sketching. Extensive use of models.

PROFESSOR RANDALL

XVI. CIVIL ENGINEERING

PROFESSOR HILL

1, 2, 3. *Surveying.* Three hours. Through the year. Elective for students who have passed in Mathematics 1, 2 and 3 and in Drawing 1 or 16.

Elementary course in land surveying; use of tape, compass, level and transit; adjustment of instruments. Lectures, recitations, field work and drawing.

NOTE: All courses in this department are required of candidates for the degree of Civil Engineer; all except 4 are elective for other students.

4. *Topographical Drawing.* Three hours. Second Term.

Pen and colored topography, conventional signs for maps. Lectures and drawing.

8, 8a. *Surveying, advanced.* One hour and five hours. Third Term. Elective for students who have passed in 1 and 2, but 8 and 8a cannot be elected separately.

Topography and hydrography, city surveying; use of stadia, plane table, sextant and barometer; precise base-line measurements with steel tape. Methods as in 1, 2, 3.

5, 5a, 6, 7. *Railroad Engineering.* Two, four, three and three hours. First, Second and Third Terms. Elective for students who have passed in 3, 4 and 8, but 5 and 5a cannot be elected separately.

Theory, location, construction and economics. Methods as in 1, 2, 3.

10, 11. *Hydraulic Engineering*. Three hours. Second and Third Terms. Elective for students who have passed in Mathematics 13 and Mechanics 4.

Supplements the courses in Mechanics 7 and 8, which give the theoretical treatment of the subject. Water supply, irrigation, pumps and pumping machinery. Lectures, recitations and seminary work.

12, 13, 14. *Framed Structures*. Three, six and six hours. Third, First and Second Terms. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 1 or 16.

Calculation of stresses in roofs and bridges by graphical and analytical methods, structural details, bridge and roof design. Lectures, recitations and drawing.

15. *Masonry*. Three hours. Second Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Calculation of stresses in, and design of, arches, retaining walls and dams; materials of construction. Lectures, recitations and drawing.

16. *Geodesy*. Three hours. Second Term. Elective for students who have passed in 3 and 8 and Astronomy 4.

Problems in geodetic surveying. Lectures and computations.

17. *Sanitary Engineering*. Three hours. Third Term. Elective as 15.

Sewerage and house drainage. Lectures, recitations and seminary work.

18. *Roads and Pavements*. Three hours. Third Term. Elective as 15.

Lectures, recitations and seminary work.

19, 20, 21. *Laboratory Investigations*. Three hours. Through the year. Elective as 15.

Use and adjustment of instruments, testing materials, stereotomy.

NOTE: For 1898-99 students in Civil Engineering will take Mechanical Engineering 6 and 7 in place of Civil Engineering 19 and 20.

XVII. MECHANICAL ENGINEERING

PROFESSORS CLARKE AND BURNHAM, MESSRS. KENERSON, LESTER
AND STARK

1. *Kinematics*. Three hours. First Term. Elective for students who have passed in Drawing 5, 6, or 17, 18.

Description of the mechanical devices used in machines, with the presentation and proof of the mathematical laws governing the

motion of their parts. Stahl and Woods's Elements of Mechanism; recitations, graphical and analytical solution of problems.

PROFESSOR BURNHAM

9. *Thermo-dynamics of the Steam Engine*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Physics 1, 2, 4 and in Mathematics 12, 13 and 14.

Derivation of general thermo-dynamic equations and special forms applying to perfect gases and to saturated and superheated vapors. Peabody's Thermo-dynamics of the Steam Engine supplemented by lectures, recitations and solution of problems especially bearing upon heat-engines.

PROFESSOR BURNHAM

3, 4, 5. *Steam Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 9.

Principles of heat engines and generators, and methods of testing. Lectures, recitations and laboratory work.

PROFESSOR BURNHAM AND MR. KENERSON

6, 7, 8. *Materials of Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanics 3, 4, 6.

Lectures on the sources, manufacture and properties of important materials used in engineering; laboratory tests on the strength of materials.

PROFESSOR BURNHAM AND MR. KENERSON

10, 11, 12. *Wood-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry, wood-turning and pattern-work. These courses may be begun in any term.

MR. LESTER

NOTE: Though courses 10 to 18 are all open to Sophomores, Juniors and Seniors, no more than two of them can be counted towards the degree of Bachelor of Arts, Bachelor of Philosophy or Bachelor of Science.

13, 14, 15, 16. *Metal-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing, and work with the engine-lathe, planer, shaper, milling-machine, vertical drill and surface-grinder. These courses may be begun in any term. See note under 10, 11, 12.

MR. STARK

17. *Wood-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry and wood-turning. Intended for students who wish to take only one term of wood-work. See note under 10, 11, 12.

MR. LESTER

18. *Metal-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing and lathe-work. Intended for students who wish to take only one term of metal-work. See note under 10, 11, 12.

MR. STARK

Thesis. A graduation thesis is required of all students who are candidates for the degree of Mechanical Engineer. It may be based either on extended independent study, on original experiments by the student, or on an original design of some complicated machine. In any case it must exhibit satisfactory ability in the student as an engineer.

MECHANICS

3, 4, 6. *Mechanics of Solids.* Three hours. Through the year. Elective for students who have passed in Mathematics 9, 10 and 12, and who are taking Mathematics 13.

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials, including tension, compression, shearing, torsion, flexure, arches and graphics. Care is taken that a clear understanding is gained of all the steps in the deduction of formulae, that the student may be able to produce original forms or to modify those already in use to meet particular cases. Practice in the application of principles is had in the solution of original problems.

PROFESSOR CLARKE

7, 8. *Mechanics of Fluids.* Three hours. First and Second Terms. Elective for students who have passed in 3, 4, 6.

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrostatics of gases; hydrodynamics, including steady flow, impulse and resistance.

PROFESSOR CLARKE

XVIII. ASTRONOMY

PROFESSOR UPTON AND DR. SLOCUM

1. *General Astronomy*. Three hours. First Term. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics.

2, 6. *General Astronomy, continued*. Three hours. Second and Third Terms. Elective for students who have passed in 1.

3, 4. *Practical Astronomy*. Three hours. Second and Third Terms. Elective for students who have passed in 1.

The application of astronomy to geodesy and navigation; use of the sextant, transit and zenith telescope for determining time, latitude and longitude.

8, 9, 10. *Practical Astronomy, advanced*. Three hours. Through the year. Elective for Graduates and for undergraduates who have shown special aptitude in 3, 4.

Further study of geodetic applications of astronomy; method of least squares. Doolittle's Practical Astronomy, with instrumental observations.

14, 15, 16. *Mathematical Astronomy*. Three hours. Through the year. Elective for Graduates.

The mathematical theory of planetary and cometary orbits; micro-meter observations and calculation of orbits.

XIX. PHYSICS

PROFESSORS BARUS AND PALMER, MR. WATSON

1, 2, 4. *Elementary Physics*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, molecular physics and heat; Third Term, electricity alternating with light. Daniell's Principles of Physics, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors. This course is designed for those who have had little previous training in Physics, and presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics.

PROFESSOR BARUS

32. *Optics and Acoustics*. Three hours. Third Term. Elective for Juniors and Seniors who have passed in 1, 2.

Lectures on the elementary principles of optics and acoustics.

PROFESSOR BARUS

NOTE: This course alternates with 4.

5, 9, 10. *Physical Laboratory*. Three hours. Through the year. Elective for students who have passed in 1, 2, 4.

Six hours of attendance. Quantitative experiments performed by the student, in order to make him thoroughly familiar with physical apparatus and the scientific methods of exact measurement. Written reports of each experiment.

PROFESSOR PALMER

11. *Electrical Engineering*. Three hours. First Term. Elective for students who have passed in 10 and Mathematics 12.

Fundamental principles, physical theory and technical construction of continuous current dynamo electric machinery, problems involving actual working conditions.

MR. WATSON

12. *Electrical Engineering, continued*. Three hours. Second Term. Elective for students who have passed in 11.

Mathematical treatment more fully developed with particular reference to alternating currents, design and construction of alternating current machinery in detail.

MR. WATSON

15. *Electrical Engineering*. Three hours. Third Term. Elective for students who have passed in 11 and 12.

Laboratory course, six hours of attendance. Opportunity to acquire familiarity with the operation of dynamos, practical tests of various types and sizes of standard machines; methods of measurements of currents, electromotive forces, magnetic permeability and ux.

MR. WATSON

13, 14, 16. *Mathematical Treatment of Dynamical Problems*. Three hours. Through the year. Elective for Seniors and Graduates who have passed in 10 and Mathematics 16.

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion; Second and Third Terms, application of their principles to special problems in thermo-dynamics and hydrodynamics.

PROFESSOR PALMER

17, 18, 19. *Laboratory Course, advanced.* Three hours. Through the year. Elective for students who have passed in 10.

Six hours of attendance. For those who are already familiar with the use of physical apparatus and are capable of carrying on investigations more or less independently. Special problems and reference to original sources for methods of solution. Care taken to develop accuracy of observation, and neatness and clearness in the written reports of experiments.

PROFESSORS BARUS AND PALMER AND MR. WATSON

20, 21. *Harmonic Analysis.* Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 2, 4 and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

PROFESSOR BARUS

22. *Behavior of Matter through Long Ranges of Temperature.* Elective for Graduates.

Original research. Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust.

PROFESSOR BARUS

NOTE: Courses 22-25, inclusive, occupy more or less time per week according to the requirements of students. These courses are definitely organized, and the apparatus for conducting them is at hand. Other courses of original research are offered to suit the special needs or training of advanced students. The order of interchange between 13, 14, 16, and 26, 27, 28, and between 20, 21, and 29, 30, 31, is not fixed. The preference of the applicants for instruction will be regarded in determining which shall be given.

23. *Behavior of Matter through Long Ranges of High Pressure.* Elective for Graduates.

Original research. Thermo-dynamics of the change of state from solid to liquid, due either to fusion or to solution, investigated with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature.

PROFESSOR BARUS

24. *Absolute Viscosity of Solids as Compared with Liquids and Gases.* Elective for Graduates.

Original research. Investigation of absolute data for the viscosity of solids.

PROFESSOR BARUS

25. *Physical Properties of the Iron Carburets.* Elective for Graduates.

Original research. Physical properties of iron, steel and cast iron considered with reference to their bearing on metallurgical and electro-technical problems.

PROFESSOR BARUS

26, 27, 28. *Mathematical Theory of Electricity and Magnetism.* Three hours. Through the year. Elective for Graduates and Seniors who have passed in 10 and Mathematics 16.

Lectures. The mathematical theory of electricity and magnetism developed, and the more important problems of electrical science discussed from the standpoint of Maxwell's Treatise.

PROFESSOR PALMER

NOTE: This course alternates with 13, 14, 16.

29, 30, 31. *Physics, advanced.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13, 14.

Lectures on dynamics, potential, elastics, hydro-statics, hydro-dynamics, viscosity, capillarity, electro-statics, magnetism, electro-magnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics and thermo-dynamics. Completed in two years. Alternating, if desirable, with courses 20, 21.

PROFESSOR BARUS

NOTE: Candidates for the degree of Master of Arts with a major in physics will be held responsible for at least one of the advanced courses in theoretical physics. The requirements for students *in absentia* with a minor in physics are quite as advanced as for students in residence with a major in physics. The department is able to offer every reasonable facility both for research work and for the study of the higher problems in physics; it is not able to offer much encouragement to those wishing to take degrees *in absentia*.

XX. CHEMISTRY

PROFESSOR APPLETON, MESSRS. CALDER, SMITH AND WILSON

1. *Descriptive Chemistry*. Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

2. *Descriptive Chemistry*. Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, their chemical compounds, and their practical applications; chemical philosophy continued. Methods as in 1.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

3. *Descriptive Chemistry*. Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

PROFESSOR APPLETON, MESSRS. CALDER AND SMITH

4, 5. *Qualitative Analysis*. Three hours. First and Second Terms. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements together with their separation from certain of their compounds, also a study of the chief non-metals and the acids produced by them. These courses are chiefly laboratory courses, but they include also recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

PROFESSOR APPLETON AND MR. WILSON

6. *Quantitative Analysis*. Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance, the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.; studies in chemical philosophy and stoichiometry continued. Chiefly a laboratory course.

PROFESSOR APPLETON AND MR. WILSON

7, 8, 9. *Quantitative Analysis, advanced.* Six hours. Through the year.

Twelve hours of attendance. The assaying of metallic ores, analysis of agricultural materials, including commercial fertilizers, the testing of chemicals used in textile establishments, etc.

PROFESSOR APPLETON AND MR. WILSON

NOTE: Courses 7-20 are elective for students who have passed in 1-6.

10, 11, 12. *Organic Chemistry.* Six hours. Through the year.

Twelve hours of attendance. An extended series of exercises in the preparation and testing of organic compounds, so selected as fairly to represent the different branches of this important department.

PROFESSOR APPLETON AND MR. WILSON

13, 14. *Assaying.* Six hours. Second and Third Terms.

Twelve hours of attendance.

PROFESSOR APPLETON AND MR. SMITH

17, 18. *Agricultural Chemistry.* Six hours. Second and Third Terms.

Twelve hours of attendance.

PROFESSOR APPLETON AND MR. WILSON

20. *The Scouring and Dyeing of Wool.* Six hours. Third Term.

Twelve hours of attendance. The cleansing of wool in the fleece, removal of burrs, preparation and use of the necessary mordants, dye-stuffs, etc.

PROFESSOR APPLETON AND MR. WILSON

XXI. ZOÖLOGY, GEOLOGY, AND ANTHROPOLOGY

PROFESSOR PACKARD AND MR. GORHAM

ZOÖLOGY

1, 2. *General Course.* Three hours. Second and Third Terms. Elective for Juniors and Seniors.

Principles of zoölogy, laws of animal morphology, development of the animal kingdom from monad to man, relations of animals to the world about them and to man, heredity, hybridity, variation of species, views now held by different schools of evolutionists. Text-book, lectures, demonstrations.

PROFESSOR PACKARD

GEOLOGY

1, 2. *General Course*. Three hours. First and Second Terms. Elective for Seniors.

Especial attention to the geology, economic and structural, of Rhode Island; elementary mineralogy and lithology. Lectures, laboratory work, field excursions, studies of models in wood and plaster.

PROFESSOR PACKARD

3. *Economic Geology*. Three hours. Third Term. Elective for Seniors.

Common rock and vein-forming minerals, useful minerals, ore-deposits and ores, building stones and road materials. Text-book and lectures. Adapted to the needs of students in Civil Engineering.

MR. GORHAM

ANTHROPOLOGY

1. *General Course*. Three hours. Third Term. Elective for Seniors and Graduates.

The principles of ethnology, ethnography and prehistoric archaeology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements; primitive culture, including folk-lore, myths, primitive religious cults, and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

PROFESSOR PACKARD

XXII. COMPARATIVE ANATOMY

PROFESSORS BUMPUS AND MEAD, MESSRS, GORHAM AND TOWER,
DR. PERKINS, MISS WING

15, 1. *Practical Vertebrate Dissection*. Fours hours. First and Second Terms. Elective for undergraduates.

Six hours of attendance. Course 15 is based upon the dissection of the frog, and course 1 upon the dissection of the cat. For those who desire a general knowledge of anatomy and physiology.

MR. GORHAM

NOTE: Courses 15 and 1 are introductory and must be taken before the more advanced work.

2. *Invertebrate Dissection*. Four hours. Third Term. Elective for students who have passed in 15 and 1.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

PROFESSOR BUMPUS

3, 4. *Comparative Anatomy of Vertebrates*. Three hours. First and Second Terms. Elective for Sophomores and others who have passed with credit in 15, 1 and 2.

Five hours of attendance. Critical and comparative study of the vertebrate organs, special attention to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others who have given attention to certain special subjects. A limited number of students are permitted to attend the clinics at the Rhode Island Hospital.

PROFESSOR BUMPUS

10. *Normal Histology and Micro-Technique*. Three hours. Third Term. Elective for Sophomores and others who have passed with credit in 3 and 4.

Six hours of attendance.

MR. GORHAM

16, 17. *Anatomy of the Nervous System*. Three hours. First and Second Terms. Elective for Juniors and Seniors who have passed with credit in 3 and 4.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man. Attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

PROFESSOR MEAD

18, 19, 20, 21. *Physiology*. Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 4.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

MR. TOWER

9. *Bacteriology*. Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

MR. GORHAM

8. *Comparative Embryology*. Three hours. Third Term. Elective for Juniors and for Seniors who have passed with credit in 3, 4 or 16, 17.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ-formation, etc.

PROFESSOR MEAD.

25. *Biological Theories and Biological Problems*. Bi-weekly seminar. Elective for Graduates.

A general account of the history of biology, discussion of past and present biological theories, examination of certain biological problems, and suggestion of possible methods for their solution.

PROFESSOR BUMPUS

26. *Methods of Cytological Research*. Laboratory work and bi-weekly seminar. Elective for Graduates.

The morphology and physiology of the cell. Students may elect the original investigation of some cytological problem under the immediate direction of the instructor.

PROFESSOR MEAD

27. *Bacteriological Research*. Laboratory work and bi-weekly seminar. Elective for Graduates.

MR. GORHAM

28. *Advanced Physiology*. Elective for Graduates.

Students who have sufficient knowledge of chemistry and physiology are received into the laboratory, where they can pursue a course extending throughout the year. This work is supplemented by a weekly seminar at which German authors are read and discussed.

MR. TOWER

29. *Human Anatomy*. Laboratory instruction. Elective for Graduates.

In addition to the course in practical dissection, graduate students will be given an opportunity to attend certain operations at the hospital and to be present at autopsies.

DR. PERKINS

COURSES AT THE WOMEN'S COLLEGE.

The following courses are offered only to students of the Women's College.

15w, 1w, 2w. *Introductory Biology*. Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and for Sophomores, Juniors and Seniors.

Six hours of attendance. A prerequisite to other courses in the department. Anatomy, physiology and hygiene; the gross and minute anatomy of the human body; the functions of the nervous, respiratory, digestive, circulatory, secretory, excretory, and reproductive systems; dissection of the frog and the cat; laboratory work supplemented by the use of anatomical preparations of the human body; incidental training in the use of the microscope and other laboratory apparatus.

MISS WING

22w, 23w, 24w. *Hygiene and Sanitation*. Three hours. Through the year.

Chemistry, digestion and economics of food; impurities of air and water; relation of bacteria to health and disease: disinfection and the restriction of communicable diseases; emergencies and home nursing. Situation, drainage, plumbing, heating, lighting and ventilation of houses and other questions of home sanitation; visits to certain hospitals, and lectures and demonstrations by nurses and physicians.

MISS WING

XXIII. BOTANY

PROFESSOR BAILEY, MESSRS. COLLINS AND METCALF

1, 2, 3. *Vegetable Morphology, Physiology, and Economic Botany*. Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy; elective for Sophomores as a three hour course.

First Term, study of the phaenogams from seed to inflorescence; Second Term, careful consideration of flower, collateral reading, essay writing; Third Term, fruit and seed, collection and preservation, herbarium study.

PROFESSOR BAILEY AND MR. METCALF

4, 5, 6. *Histology and Embryology of Phaenogams*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Four hours of attendance. First and Second Terms, structure and physiology of the vegetable cell; comparative anatomy of root, stem

and leaf; simple experiments in plant physiology. Third Term, early embryology of some phaenogam, special attention to micro-technique.

MR. METCALF

7, 8. *Structure and Development of Cryptogams.* Three hours. First and Second Terms. Elective for students who have passed in 6 or 14.

Four hours of attendance. First Term, types of the algae; Second Term, types of the lower fungi. Particular attention to collection and classification.

MR. METCALF

12. *Study of the Higher Cryptogams.* Three hours. Third Term. Elective for students who have passed in 8. Not offered in 1898-99.

Four hours of attendance. Hepaticae, mosses, club-mosses, horse-tails and ferns. Structure and classification.

PROFESSOR BAILEY

13. *Taxonomy of Phaenogams.* Three hours. Second Term. Elective for students who have passed in 3.

The principles of general and special classification, a study of the more difficult families, laboratory practice in arrangement of natural groups.

PROFESSOR BAILEY

14. *Medical Botany.* Three hours. Third Term. Elective for students who have passed in 5.

Chemical and medical constituents of plants; their production, location in the plant, storage; manufacturing processes; chemical and microscopical characteristics of the more common drugs.

PROFESSOR BAILEY AND MR. METCALF

9. *Mycology.* Three hours. Third Term. Elective for students who have passed in 8.

Four hours of attendance. Structure and classification of the fleshy fungi, with special attention to the characters of edible and poisonous mushrooms.

MR. METCALF

NOTE: Course 9 alternates with 12.

XXIV. MILITARY SCIENCE AND TACTICS

PROFESSOR MURRAY

1, 2, 3. *Practical Exercises.* Two hours. First and Third Terms. One hour. Second Term. Required of first year students. Elective for Sophomores, Juniors and Seniors. Not offered in 1898-99.

Infantry and artillery drill and target practice. Each student is required to provide himself with the University uniform, blouse, trousers, cap and gloves, which are provided by the University at a cost not exceeding twelve dollars. The arms, equipment and ammunition are supplied by the United States Government.

4, 5, 6. *Systematic and Progressive Instruction*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors. Not offered in 1898-99.

Two hours devoted to practical application of theory. Drill regulations, army regulations, preparation of reports and returns, organization of the United States army, elements of military science, military hygiene, military law and signalling. On graduation the names of distinguished students are reported to the Adjutant-General of the United States army and to the Adjutant-General of Rhode Island, and are also inserted in the Army Register and published in general orders.

XXV. BIBLIOGRAPHY

MR. KOOPMAN

1. *Books and Libraries*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Historical bibliography, manuscripts, printing, publishing, book-selling, practical authorship, reading and its methods; libraries, their history, place in education, chief problems, management and use. Lectures by the instructor, oral reports and written discussions by the students. Designed primarily for all users of libraries, but serving as an introduction for those intending to make library work a profession.

COURSES PREPARATORY TO PROFESSIONAL STUDIES

Since the number of elective studies has become large, students for the ministry, the law, medicine or journalism are not infrequently at a loss to know which branches they ought to choose. To aid such students the following groups of courses are suggested. Competent students who complete these courses with special thoroughness are sometimes able to save a year in professional schools. Besides serving candidates for degrees, these lists will afford direction to students for the professions who may be obliged to limit their collegiate preparation to one, two or three years. No degrees are awarded at the completion of such shorter courses, but certificates of attainment are furnished when desired.

PREPARATORY TO THE STUDY OF THEOLOGY

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 44.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
Rhetoric 19	Rhetoric 20	Rhetoric 21
German 1 or French A	German 2 or French B	German 3 or French C
Greek 4	Greek 5	Greek 6
English 1	English 2	English 3
Physics 1 or Botany 1	Physics 2 or Botany 2	Physics 4 or Botany 3

Latin or French may be substituted for Greek. Chemistry may also be taken here, and followed in the third year by Astronomy. A course in the Semitic tongues may be begun at this point, to continue one, two or three years displacing studies regarded as less important. Other courses in English may, for qualified pupils, be preferable to 1, 2, 3.

THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Hebrew 1	Hebrew 2	Hebrew 3
Philosophy 2 and 36	Philosophy 3 and 37	Philosophy 4 and 38
English 43 or 31	English 44 or 32	English 45 or 33
Political Economy 1	Political Economy 2	Political Economy 3
History 1	History 2	History 3 or 11 or
Rhetoric 33	Rhetoric 34	Philosophy 19
		Rhetoric 35

FOURTH YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
New Testament 1	New Testament 2	New Testament 7
Philosophy 5 and 8	Philosophy 23 and 9	Philosophy 24 and 10
Rhetoric 16	Rhetoric 17	Music 13
Social Science 1	Social Science 2	Social Science 3

In this fourth year, History may be continued instead of Philosophy. Also, courses in Philosophy, in History, in Literature or in Biology may take the place of Social Science.

PREPARATORY TO THE STUDY OF LAW

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 44.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C

And in addition, three elective courses, two from the first and one from the second of the following groups:

(Group 1)

Greek 4	Greek 5	Greek 6
Latin 4	Latin 5	Latin 6
French 4	French 5	French 6
English 1	English 2	English 3

(Group 2)

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 9	Mathematics 10	Mathematics 11 or 12
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4

THIRD YEAR

Philosophy 2	Philosophy 3	Philosophy 4
Rhetoric 33	Rhetoric 34	Rhetoric 35
Rhetoric 27	Rhetoric 28	Rhetoric 29
History 1	History 2	History 3 or Phil. 19
Political Economy 1	Political Economy 2	Political Economy 3
Political Science 1	Political Science 3 or 4	Political Science 2 or 7
Elementary Law 1 or 4	Elementary Law 2 or 5	Elementary Law 3 or 6

FOURTH YEAR

Philosophy, one course	Philosophy, one course	Philosophy, one course
Social Science 1	Social Science 2	Social Science 3
Political Economy 4	Political Economy 10	Political Economy 11
or 7	or 6	or 5
History 4	History 5	History 6
Elementary Law 1 or 4	Elementary Law 2 or 5	Elementary Law 3 or 6
Political Science 5		

PREPARATORY TO THE STUDY OF MEDICINE OR BIOLOGICAL SCIENCE

FIRST YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Comp. Anatomy 15	Comp. Anatomy 1	Comp. Anatomy 2
Mathematics 1	Mathematics 3	Mathematics 2
French 1 or German 4	French 2 or German 6	French 3 or German 8
*Rhetoric 2	Rhetoric 3	Rhetoric 4

Candidates for the degree of Bachelor of Arts will take during the Freshman year the regular course scheduled on page 44.

*Students who take Rhetoric in the Freshman year should elect Botany in the Sophomore year.

SECOND YEAR

Comp. Anatomy 3	Comp. Anatomy 4	Comp. Anatomy 10
German 1	German 2	German 3
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Rhetoric 2	Rhetoric 3	Rhetoric 4

THIRD YEAR

First Term

Comp. Anatomy 16
 German 4
 Philosophy 2
 History 1
 Rhetoric 33
 Botany 1

Second Term

Comp. Anatomy 17
 German 6
 Philosophy 3
 History 2
 Rhetoric 34
 Botany 2

Third Term

Comp. Anatomy 18
 German 8
 Philosophy 4
 Philosophy 19
 Rhetoric 35
 Botany 3

FOURTH YEAR

Comp. Anatomy 19
 Geology 1
 Botany 4

Comp. Anatomy 9
 Comp. Anatomy 20
 Botany 5
 Zoölogy 1
 Geology 2

Anthropology 1
 Comp. Anatomy 8
 Botany 14
 Comp. Anatomy 21

In the fourth year students are advised to elect courses in Philosophy, History and German, in addition to the above.

PREPARATORY FOR JOURNALISM

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy.

SECOND YEAR

First Term

Rhetoric 2
 German 1
 Chemistry 1
 Physics 1
 English 1

Second Term

Rhetoric 3
 German 2
 Chemistry 2
 Physics 2
 English 2

Third Term

Rhetoric 4
 German 3
 Chemistry 3
 Physics 4
 English 3

THIRD YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19
English 50	English 51	English 52
Political Economy 1	Political Economy 2	Political Economy 3
History 4	History 5	History 6
Social Science 1	Social Science 2	Social Science 3

FOURTH YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Rhetoric 16	Rhetoric 17	Rhetoric 18
Political Science 1	Political Science 4	Political Science 2
Political Economy 7	Political Economy 6	Political Economy 5
History 7	History 8	History 9
Philosophy, one course	Philosophy, one course	Philosophy, one course

To proficiency in French and German, knowledge of the Italian and Scandinavian languages might be added with advantage.

Some students while in college are able to engage in newspaper work by acting as correspondents of Providence, Boston and New York papers.

INSTRUCTION FOR GRADUATE STUDENTS

Brown University offers excellent facilities for graduate study, to which its own graduates and those of other colleges are alike welcome. Not only are the libraries and the laboratories of the University, its seminaries, its observatory and its various museums all of a nature greatly to assist advanced study, but the industries of the city of Providence offer numerous and rare opportunities for special scientific investigation.

A Graduate Students' Association, composed of the students carrying on advanced courses at the University, holds monthly meetings during the year, at which papers embodying the results of special investigations are read. Addresses are also made by members of the Faculty and others on topics connected with graduate work. The Philosophical Club, the Biological Club, the Art Club and the Biblical Research Club offer opportunities for the presentation and discussion of the results of investigations in their several fields.

The following courses of instruction are at present available for graduate students. Those marked with a star are intended primarily for such students, the rest being meant also for higher undergraduate work. Candidates for graduate degrees and other advanced students will find all of these courses exceedingly helpful in both methods and subjects. The numbers of the courses refer to the general conspectus, pages 51 to 99 inclusive.

PHILOSOPHY

All the elective courses in Philosophy are suitable for graduate students who have not taken them.

HISTORY

History 7, 8, 9. Constitutional and Political History of the United States. Three hours. Through the year.

*History 10.** Principles of Historical Criticism. One hour. Through the year.

*History 12.** Practical course in European History. One hour. Through the year.

*History 13.** History of Historical Writing in Modern Europe. One hour. Through the year. Not offered in 1898-99.

*History 17.** Historical Bibliography. One hour. Through the year. Not offered in 1898-99.

*History 14**. Practical Course in American History. Special Course. One hour. Through the year.

History 3. History of the Reformation. Three hours. Third Term.

History 11. History of the Renaissance. Three hours. Third Term. Not offered in 1898-99.

*Historical Seminary**. Special meetings during each Term.

History 15. Islâm and the Crusades. Three hours. Third Term.

History 16. The French Revolution. Three hours. Third Term. Not offered in 1898-99.

SOCIAL AND POLITICAL SCIENCE

Social Science 4. Social Philosophy. Three hours. Third Term.

Social Science 5. Development of Social Theory. Three hours. Second Term.

Social Science 6. Municipal Functions and Administration. Three hours. First Term.

Social Science 7, 8,* 9.** Current Social Theory and Practice. One hour. Through the year.

Political Science 7. Diplomacy. Three hours. Third Term.

Political Science 8, 9,* 10.** Current Political Theory and Practice. One hour. Through the year.

POLITICAL ECONOMY

Political Economy 4, 10. History of Economic Thought. Three hours. First and Second Terms.

Political Economy 11. Modern Economic Theory. Three hours. Third Term.

Political Economy 6. Money and Banking. Three hours. Second Term.

Political Economy 5. Public Finance. Three hours. Third Term.

Political Economy 7. Practical Economic Questions. Three hours. First Term.

THE FINE ARTS

Fine Arts 1. Ancient Art, or Classical Archaeology. Three hours. First Term.

Fine Arts 4. Early Christian and Mediaeval Art. Three hours. Second Term.

Fine Arts 6. Art of the Renaissance. Three hours. Third Term.

Fine Arts 7, 9. Modern Art. Three hours. First and Second Terms.

Fine Arts 8. Theory and Criticism. Three hours. Third Term.

Fine Arts 10.* Seminary in Classical Architecture. Three hours. First Term. Not offered in 1898-99.

Fine Arts 11.* Seminary in Greek and Roman Sculpture. Not offered in 1898-99.

Fine Arts 3.* Seminary Study of the Acropolis of Athens.

Fine Arts 12.* Seminary in Renaissance Art. Not to be offered in 1899-1900.

Music 7. Fugue. Three hours. First Term.

Music 8. Fugue and Free Composition. Three hours. Second Term.

Music 9. Free Composition and Instrumentation. Three hours. Third Term.

Music 10, 11, 12. Structure and History of Music. Three hours. Through the year. Not offered in 1898-99.

Music 20,* 21,* 22.* The Symphony. Three hours. Through the year.

INDO-EUROPEAN PHILOLOGY

Comparative Philology 4, 5. Sanskrit. Three hours. First and Second Terms.

Comparative Philology 6.* Sanskrit. Advanced course. Three hours. Third Term.

Comparative Philology 7.* Seminary. Third Term.

GREEK LITERATURE AND HISTORY

Greek 25,* 26.* Thucydides. One two hour session weekly. First and Second Terms.

Greek 31,* 32,* 33.* The Orators. Two hours. Through the year. Not offered in 1898-99.

Greek 34,* 35,* 36.* Seminary. Interpretation of Lucian. Interpretation of Hesiod. Interpretation of Pindar or Comparative Philology. One two hour session weekly. Through the year.

Greek 40,* 41,* 42.* Homer and Mycenaean Archaeology. Three hours. Through the year.

ROMAN LITERATURE AND HISTORY

Latin 10, 14, 15. Private Life and Antiquities of Rome. One hour. Through the year.

Latin 16, 17, 18. Pliny the Younger. One hour. Through the year. Not offered in 1898-99.

Latin 19,* 20,* 21.* Seminary in Epigraphy. Two hours. Through the year.

Latin 22,* 23*, 24.* Seminary in Palaeography and Textual Criticism. Two hours. Through the year. Not offered in 1898-99.

Latin 25,* 26,* 27.* Seminary in Numismatics. One hour. Through the year. Not offered in 1898-99.

Latin 28,* 29,* 30.* Seminary in Roman History. One hour. Through the year.

Latin 31, 32, 33. Roman Architecture and Topography. One hour. Through the year.

Latin 34, 35, 36. Roman Provincial Administration. Two hours. Through the year. Not offered in 1898-99.

ENGLISH LITERATURE AND LANGUAGES

English 4, 5, 6. Shakspeare. Three hours. Through the year.

English 31, 32, 33. English literature from Dryden to Burns, exclusive of the Novel. Three hours. Through the year.

English 43, 44, 45. English poetry from Wordsworth to Keats. Three hours. Through the year.

English 46, 47, 48. English poetry of the Victorian Period. Three hours. Through the year. Not offered in 1898-99.

English 50, 51, 52. English Essayists of the Nineteenth Century. Three hours. Through the year.

RHETORIC AND ORATORY

Rhetoric 16, 17, 18. Advanced English Composition. Three hours. Through the year.

Rhetoric 27, 28, 29. Oral discussion. Three hours. Through the year. Not offered in 1898-99.

GERMANIC LANGUAGES AND LITERATURES

German 4, 6, 8. Lessing, Schiller, Goethe. Three hours. Through the year.

German 46, 47, 48. Goethe's Faust, Parts I and II. Three hours. Through the year.

German 16, 17, 18. German Literature. Three hours. Through the year.

German 10,* 11,* 12.* Middle High German. Three hours. Through the year.

German 19,* 20,* 21.* Old High German. One hour. Through the year.

German 28,* 29,* 30.* Germanic Mythology. Two hours. Through the year.

German 34,* 35,* 36.* Germanic Philology. Two hours. Through the year.

Gothic 1,* 2,* 3.* One hour. Through the year.

Old Norse 1,* 2,* 3.* One hour. Through the year.

Old Norse 4,* 5,* 6.* Advanced. One hour. Through the year.

ROMANCE LANGUAGES AND LITERATURES

French 28, 29, 30. Advanced Literature Course. Three hours. Through the year.

French 34,* 35,* 36.* Old French and Provençal. Three hours. Through the year.

Italian 10, 11, 12. Dante. Three hours. Through the year.

Italian 7, 8, 9. Dante in English. Three hours. Through the year.

Italian 19, 20, 21. Ariosto, Tasso and Machiavelli. Three hours. Through the year.

BIBLICAL LITERATURE AND HISTORY

Hebrew 1, 2. Elementary. Three hours. First and Second Terms.

Hebrew 3. Historical. Three hours. Third Term.

Hebrew 4, 5, 6. Seminary. Three hours. Through the year.

Arabic 1, 2. Elementary. Two hours. Second and Third Terms.

Aramaic 1. Biblical Aramaic. Two hours. Second Term.

Syriac 1. Elementary. Three hours. Third Term.

Assyrian 1, 2. Elementary. Two hours. First and Second Terms.

Assyrian 3. Historical. Two hours. Third Term.

Assyrian 4,* 5,* 6.* Seminary. One hour. Through the year.

New Testament 1. Gospel of Mark. Three hours. First Term.

New Testament 2. Gospels of Luke and Matthew. Three hours. Second Term.

New Testament 3. Paul's Corinthian Epistles. Three hours. Third Term. Not offered in 1898-99.

New Testament 7. The Book of Acts. Three hours. Third Term.

New Testament 5. The Gospel of John. Three hours. First Term.

PURE MATHEMATICS

Mathematics 11. Modern Methods in Analytic Geometry. Three hours. Third Term. Not offered in 1898-99.

Mathematics 30. Solid Analytic Geometry. Three hours. Third Term.

Mathematics 8. Determinants and Theory of Equations. Three hours. Third Term.

Mathematics 14. Applications of the Calculus. Three hours. Second Term.

Mathematics 15, 16. Differential Equations. Three hours. First and Second Terms.

Mathematics 18,* 19*, 20.* Modern Algebra. Higher Plane Curves and Surfaces. Three hours. Through the year. Not offered in 1898-99.

Mathematics 21,* 22,* 23.* Theory of Functions. Three hours. Through the year.

Mathematics 24,* 25*, 26.* Differential Equations. Three hours. Through the year. Not offered in 1898-99.

Mathematics 27,* 28,* 29.* Substitutions and Transformation Groups. Three hours. Through the year.

DRAWING

Drawing 9. Gearing. Three hours. Third term.

Drawing 15. Constructive Geometry. Three hours. First Term.

Drawing 27, 28. Advanced Machine Design. Three hours. First and Second Terms.

CIVIL ENGINEERING

Courses 5 to 21, inclusive.

MECHANICAL ENGINEERING

Courses 3 to 9, inclusive.

ASTRONOMY

For Graduates who wish to pursue advanced courses in this subject, courses 8, 9, 10 and 14, 15, 16 are available, and additional work is assigned in theoretical and practical Astronomy. Such students may also assist in the regular observations carried on at the Observatory.

PHYSICS

Physics 11. Electrical Engineering. Three hours. First Term.

Physics 12. Electrical Engineering, continued. Three hours. Second Term.

Physics 15. Electrical Engineering Laboratory. Three hours. Third Term.

Physics 13, 14, 16. Mathematical Treatment of Dynamical Problems. Three hours. Through the year.

Physics 17, 18, 19. Advanced Laboratory. Three hours. Six hours of attendance. Through the year.

Physics 29, 30, 31. Advanced Physics. Three hours. Through the year.

Physics 20,* 21.* Harmonic Analysis. Three hours. Second and Third Terms.

Physics 22.* Behavior of matter through long ranges of temperature. Original research.

Physics 23.* Behavior of matter through long ranges of high pressure. Original research.

Physics 24. Absolute viscosity of solids as compared with liquids and gases. Original research.

Physics 25.* Physical properties of the iron carburets. Original research.

Physics 26,* 27,* 28.* Lectures on the mathematical theory of Electricity and Magnetism. Three hours. Through the year.

CHEMISTRY

None of the courses in Chemistry are exclusively for Graduates; but courses 4 to 20, inclusive, will be found appropriate for Graduates who have not pursued them. Graduate students are afforded all practicable facilities for carrying on, in the Chemical Laboratory, investigations approved by the professor in charge. Graduate degrees in Chemistry will be conferred only after a large amount of laboratory work.

ZOÖLOGY, GEOLOGY AND ANTHROPOLOGY

Geology 1, 2. Three hours. First and Second Terms.

Geology 3. Economic Geology. Three hours. Third Term.

Anthropology 1. Three hours. Third Term.

Zoölogy 1, 2. Three hours. First and Second Terms.

COMPARATIVE ANATOMY

Comparative Anatomy 3, 4. Comparative Anatomy of Vertebrates. Three hours. First and Second Terms.

Comparative Anatomy 8. Comparative Embryology. Three hours. Third Term.

Comparative Anatomy 9. Bacteriology. Three hours. Second Term.

Comparative Anatomy 10. Normal Histology and Micro-technique. Three hours. Third Term.

Comparative Anatomy 18, 19, 20. Physiology. Three hours. Third, First and Second Terms.

Comparative Anatomy 21. Physiology. Three hours. Third Term.

Comparative Anatomy 16, 17. Anatomy of the Nervous System. Three hours. First and Second Terms.

Comparative Anatomy 25.* Biological Theories and Problems. Bi-weekly seminar. Through the year.

Comparative Anatomy 26.* Cytological Research. Bi-weekly seminar. Through the year.

Comparative Anatomy 27.* Bacteriological Research. Through the year.

Comparative Anatomy 28* Advanced Physiology. Through the year.

Comparative Anatomy 29.* Human Anatomy. Through the year.

BOTANY

Botany 7, 8. Structure and Development of Cryptogams. Three hours. First and Second Terms.

Botany 12. Study of the Higher Cryptogams. Three hours. Third Term.

Botany 13. Taxonomy of Phaenogams. Three hours. Second Term

Botany 14. Medical Botany. Three hours. Third Term.

Botany 9. Mycology. Three hours. Third Term.

EDUCATIONAL PRIVILEGES FOR WOMEN

GRADUATE COURSES

To women already holding a baccalaureate degree, and to other women of liberal education who may secure special permission, the University opens, on the same terms as to men, all those of its courses of instruction which are intended for graduate students.

Women candidates for graduate degrees are under the control of the committee on graduate students and subject to the regulations regarding registration, etc., given in later pages of the catalogue. That is, so far as its graduate department is concerned the University places women on exactly the same footing as men. In respect to instruction, examinations and degrees, the two sexes are treated precisely alike. The expenses, too, are the same.

The courses open to graduate students are specified on pages 105-112 of this catalogue, and a more extended description will be found in the outline of courses by departments, pages 51-99.

Undergraduate instruction for women is fully provided for in the Women's College.

THE WOMEN'S COLLEGE

LOUIS FRANKLIN SNOW, A. M., DEAN

ADVISORY COUNCIL

MISS SARAH E. DOYLE,	MISS AMELIA S. KNIGHT,
MRS. ELIZA G. RADEKE,	MRS. A. I. C. D. AMES.

Instruction for undergraduate women is provided for by a department of the University known as the Women's College in Brown University.

The general direction, supervision and government of this College, as of other departments of the University, is in the hands of

the President. The immediate charge of the college in respect to registration, teaching, government and discipline, devolves, subject to the direction of the President, on the Dean of the Women's College. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and from time to time makes to the Advisory and Executive Committee, or to the Corporation such recommendations in reference to the Women's College as the Council deems fitting.

The instruction in the Women's College is given by the professors and instructors in Brown University.

Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

ENTRANCE EXAMINATIONS

The requirements for admission to the Women's College are the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 33-42.

COURSES OF INSTRUCTION

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. Information in regard to the requirements for the various degrees may be found on pages 43-50.

The elective courses are identical in character with those offered to men. The list given on pages 51 to 99 of this catalogue may, therefore, be taken as indicating the range of choice. More precise information as to the courses offered is given each year in the circular issued at the beginning of the summer vacation.

Students who do not wish to become candidates for a degree are admitted to select courses of any extent, consisting either of special work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must present to the Dean sufficient evidence of her ability to pursue successfully the course chosen. Moreover, every special student, unless specially excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

EXAMINATIONS

As a rule, women take the same examinations offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of proficiency are given after all examinations.

Before each University examination period the Dean files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is admitted to an examination whose term-bill is not paid or satisfactorily arranged for at least five days before the beginning of the examination period.

DEGREES

Upon students who complete with credit any of the regular curricula, the Corporation of the University confers the corresponding degrees.

Special students who satisfactorily complete any of the minor courses of study are given certificates of their attainments.

SUGGESTIONS FOR A COURSE PREPARATORY TO TEACHING

The great number of students of the Women's College who anticipate entering the profession of teaching has suggested the advisability of presenting in outline a course of study that may aid in their preparation.

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy, see pages 44, 45.

SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term.</i>
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C
English 1	English 2	English 3

and two of the following electives :

Latin 4	Latin 5	Latin 6
Greek 4	Greek 5	Greek 6
French 4 or 13	French 5 or 14	French 6 or 15
Mathematics 9	Mathematics 10	Mathematics 12
Chemistry 1	Chemistry 2	Chemistry 3

THIRD YEAR

Philosophy 2	Philosophy 3	Philosophy 4
History 1	History 2	History 3 or
Rhetoric 33	Rhetoric 34	Philosophy 19
		Rhetoric 35

and three of the following electives :

Comp. Anatomy 15	Comp. Anatomy 1	Comp. Anatomy 2
Physics 1	Physics 2	Physics 4
Social Science 1	Social Science 2	Social Science 3
Political Science 1	Political Science 3	Political Science 2
Political Economy 1	Political Economy 2	Political Economy 3
Philosophy 36	Philosophy 37	Philosophy 38

FOURTH YEAR.

Philosophy 5	Philosophy 23	Philosophy 24
Pedagogy 1	Pedagogy 2	Pedagogy 3
Electives, nine hours	Electives, nine hours	Electives, nine hours

Students should of course select those studies which will be most necessary in preparation for the particular subjects which they intend to teach, omitting if necessary some of those outlined above. The course in Pedagogy should, however, be taken by all. For those who can afford the time, the graduate courses in Pedagogy will be found extremely valuable.

PHYSICAL CULTURE

By the generosity of the Alumnae of the Women's College it has been made possible to form the nucleus of a Gymnasium, and the work, consisting of free exercises with light apparatus, games, etc., is given three hours weekly during the second term of the year; elective for Juniors and Seniors, required for Sophomores and Freshmen.

NEW RECITATION BUILDING

Pembroke Hall, the new recitation building for the Women's College, is built of red brick with stone and terra cotta trimmings, after the old English University style of the fifteenth and sixteenth centuries. The building is three stories high, and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms with a seating capacity of fifty-four in the smallest and seventy-nine in the largest. The hallway is fifteen and one-half feet wide, and the main staircase runs from the first floor to the assembly room at the top of the building. On the second floor are two recitation rooms, a reception room, a study and library combined, thirty by twenty-six feet, and a magazine and reading room, eighteen by twenty feet. The third floor is in one large hall, seventy-six by forty-four feet, with open timbered roof and two large fireplaces, and on the south side a platform with staircase from the rear to a dressing room in a half-story between the platform and reception room. In the basement, which is light, dry and airy, the students' lockers, kitchen and lunch room are located.

The building is named from Pembroke College, Cambridge, the alma mater of Roger Williams.

SCHOLARSHIPS AND PREMIUMS

The Sarah E. Doyle scholarship for young women, consisting of one thousand dollars, has been founded by the woman whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The sum of one thousand dollars has been paid to the Treasurer of the University to be known as "The Sarah Sutton Scholarship for young women, founded by one of her eight daughters." The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Daniels Scholarship Fund of twenty-five hundred dollars, founded by Harriet Daniels in memory of David Daniels, of the class of 1824, and of Francis Adolphus Daniels, of the class of 1862, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College adjunct thereto.

The Howard Scholarship of one thousand dollars, presented by James Leland Howard, of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars. The income shall be for the education of any young man *or* woman, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter Daughters of the American Revolution Fund of one thousand dollars has been paid to the treasurer of the University by the Gaspee Chapter of D. A. R., the income to be given annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1897-98 was "The Southern Campaigns of General Greene." Miss Emily Gardner Munro was the successful competitor. The topic for the year 1898-99 is "The Diplomatic History of France and the United States, from 1776 to 1783." The essays are to bear each

an assumed name, but to be accompanied each by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1899. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. (See index.) Women candidates successful in first premium contests receive collateral prizes awarded by the Dean. In 1898 a collateral first prize in French was awarded to Miss Esther Dora Griswold of Providence.

EXPENSES

Students at the Women's College pay the same amount as other students of the University. One-half of the tuition and of the incidental expenses are to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term. Checks should be made payable to L. F. Snow, Dean.

CANDIDATES FOR A DEGREE

Tuition, \$105.00 per year. No deduction is made on account of absence.

Incidentals, \$45.00 per year.

Every member of the Freshman Class pays, upon admission to the College, a matriculation fee of \$5.00.

Every member of the Senior Class pays upon graduation a fee of \$8.00 for her diploma and other expenses connected with graduation.

SPECIAL STUDENTS

Special students at the Women's College are charged \$10.00 per term for each course holding three recitations per week. Laboratory charges are in addition to this.

BOARDING

As yet the Women's College offers no dormitory accommodations to its students. Arrangements have been made, however, by which homes are provided in excellent private families. An approved list of such places is kept in the Dean's office and every effort is made to arrange satisfactorily for all who apply. Students from a distance are required to register their local address with the Dean at least one week before the opening of the college year.

THE UNIVERSITY EXTENSION

PROFESSOR WILFRED H. MUNRO, A. M., DIRECTOR

The purpose of the plan for the Extension of University Teaching is to afford the benefits of this teaching to those who cannot attend a University. Lecture courses are given in any place easily accessible from Brown University, upon any subject for which there is a sufficient popular demand. A course of ten weekly lectures is intended to cover about the same ground which a college class would go over in ten weeks. The teaching scheme comprises lectures, class-work, essays, reports, etc. In such subjects as German, French, Spanish, Italian, the work is similar in every respect to that of the college class-room. A voluntary examination is held at the close of each course, and certificates are awarded to those who pass it.

The University charge for a course of lectures is \$100; besides which the Centre is required to pay the traveling and hotel expenses of the lecturer.

Experience has shown that the best work can be done in small classes, of from thirty to fifty persons, and that an attempt to popularize a course is unwise. The aim is not to amuse but to teach.

It is recommended that each Centre charge a fee of \$3.00 per person for each course. This will necessitate a guaranteed attendance of thirty-five people. Where several courses are carried on by the same Centre, an average attendance of thirty-five should be secured.

All communications respecting the Extension Work should be addressed to Professor Wilfred H. Munro, Director of the University Extension, Brown University, Providence.

LIBRARIES

THE UNIVERSITY LIBRARY

The University Library consists of one hundred thousand volumes, to which additions are constantly made with reference to the needs of the different departments of study, while at the same time there is kept in view the development of a library of general culture for the use of the students. It comprises the main library, which is stored in the fire-proof building, the gift of the late John Carter Brown, of the class of 1816, and the department libraries, which are placed in connection with the various laboratories and seminary rooms.

Though many of the volumes are rare and costly, free access is allowed to the shelves of the Main Library. On the first two floors are arranged the books most in use, the entire west wing of the Library on the first floor being given up to History, the north wing to Periodicals, Fine Arts and Social Science, while the east wing is occupied by works on Language and Literature. The second floor is devoted to Philosophy, Theology, the Sciences and the Arts. In a separate room on this floor is shelved the Harris Collection of American Poetry. This collection, founded by Albert G. Greene, and extended by C. Fiske Harris, was bequeathed to the University by the late Senator Anthony. It receives frequent additions, and now numbers over five thousand bound volumes, being perhaps the largest collection in the world devoted to the subject.

On the third floor are kept certain collections, such as works devoted to Rhode Island History, Brown University, Baptist History and Bibliography, besides many thousand volumes of works infrequently consulted, all arranged according to the classification adopted for the lower floors. Here also is the George Henry Smith collection of newspaper cuttings from 1861 to 1865, carefully arranged in folio volumes, which constitute an invaluable mass of material relating to the history of the war.

On the first floor, upon the corner tables in the central reference room, are kept the latest numbers of the standard periodicals, American and foreign. Behind them, conveniently arranged, are books of reference, while the shelves on the main tables are devoted to books reserved by the departments. In this room are the Loan Desk where books are charged and returned, and the desk of the Reference Librarian whose duty is to advise and assist students in their use of the books whether for class work or for private reading and research.

The library funds amount to fifty-seven thousand dollars. Of this sum ten thousand dollars is a bequest from the late Professor Gammell, for the purchase of books relating to the history of the United States. Ten thousand dollars constitutes the Olney Fund, for the purchase of plants and botanical books, and a like sum the Diman Memorial Fund for the purchase of works on mediaeval and modern history. The remainder forms the Library Fund proper. Additions to these funds are earnestly requested.

The following persons are entitled to the use of the Library without expense: The members of the Corporation and Faculty; other college officers; graduates residing in the state of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the state of Rhode Island; graduate and undergraduate students; and also other persons on whom the Corporation or Library Committee may from time to time confer the privilege.

The Library is open to readers during term time from 9 A. M. to 10 P. M. on week days, and from 1 to 10 P. M. on Sundays; books may be taken out only on week-days, between 9 A. M. and 5 P. M.

THE GERMAN DEPARTMENT LIBRARY

In the two rooms occupied by the Germanic Institute in Sayles Memorial Hall is the Conant German Seminary Library, which was purchased in Germany by Professor Williams, in the name of the principal donor, the Hon. Hezekiah Conant. The library now contains over six thousand carefully selected volumes, including editions of all the important writers in German litera-

ture; a large collection in philology; all the leading literary and philological periodicals; many works upon German history, the history of German literature, and German law, art, palaeography and geography. The library is especially rich in works of the Middle High German period, and in Goethe and Schiller literature. It possesses many works of art which illustrate the subjects taught, bronzes, framed engravings, and volumes of plates. A Scandinavian section representing the principal authors has recently been added. All the officers of the department have their private studies in the Institute and are thus brought into daily contact with their advanced students. The rooms are open from 8 A. M. to 10 P. M.

THE CLASSICAL DEPARTMENT LIBRARY

The Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness, Ph. D., LL. D., occupies a large room in Sayles Hall. It is furnished with a library of fifteen hundred volumes, purchased with funds contributed by friends of the University interested in classical studies. In selecting the books, the requirements of a good working library were studied with particular care. The most important collections of Greek and Roman authors, the best commentaries, reference books and similar aids are therefore to be found here; and the seminary is made the centre for advanced study and research in the classical languages and literatures. Though primarily intended for graduates, the seminary is open to such of the undergraduates as are qualified to profit by its advantages. The room is open from 9 A. M. to 10 P. M.

THE ROMANCE DEPARTMENT LIBRARY

In a room in Sayles Hall, set apart for the use of advanced students in the Romance languages, a small but choice special library has been begun. Here all the graduate courses of the department are conducted; and the professor or one of the instructors is constantly at hand to give informal assistance and advice to those admitted to the privileges of the collection. It is

hoped that gifts from friends of the University, not only in the way of books but also of engravings and other works of art illustrating the literatures of Southern Europe, will soon increase the value as well as the attractions of this important aid to the work of the department.

OTHER SPECIAL LIBRARIES

Most of the other departments of the University have special collections of books for use in connection with advanced laboratory work. The most important of these belong to the departments of English, Biblical Literature and History, Chemistry, Physics, Botany, Comparative Anatomy and Drawing.

THE SEARS READING ROOM

The Sears Reading Room Association, conducted by the students, occupies a commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for its use, and supplied with the most important newspapers, daily and weekly, as well as with a variety of the more popular illustrated periodicals.

OTHER LIBRARY FACILITIES

There are also practically at the service of the students of the University the five collections of books named below. These comprise, with the University Library, more than a quarter of a million volumes, exclusive of pamphlets and manuscripts, and afford library privileges such as can be found at but very few seats of learning in America. The first three libraries named are entirely free, and the other two are readily available.

THE PROVIDENCE PUBLIC LIBRARY

All students of Brown University are allowed, upon the same conditions as other residents of the city, to make use of the well selected Public Library of Providence. It consists of over 85,000 volumes. The library is open from 10 A. M. to 9 P. M.; on

Sundays and legal holidays, from 2 to 9 P. M. The librarian prepares lists of references on various topics which are of service to students; the more extended of these lists are printed in the monthly bulletin of the library. He is glad to be consulted with respect to books on any of the departments of University teaching. On the history of slavery and of the Civil War this library possesses one of the richest collections in America.

THE STATE LAW LIBRARY.

This collection of 25,000 volumes may be consulted in the Providence County Court House, at the corner of Benefit and College streets, only a few steps from the University, between the hours of 9 A. M. and 5 P. M. It is accessible to all students, and for certain lines of University study is invaluable.

THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The cabinet of the Rhode Island Historical Society, is situated on Waterman street, next door to the University Library building. The library of the society comprises 20,000 bound volumes and 30,000 valuable unbound volumes and pamphlets. Through the courtesy of the society the collection is made accessible, free of charge, to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in many departments of general American history. The collection is open from 9 A. M. to 4 P. M.; on Saturdays, from 9 A. M. to 1 P. M.

THE LIBRARY OF THE PROVIDENCE ATHENAEUM

The Athenaeum, chartered over sixty years ago, occupies a field peculiar to itself. It aims to furnish a home library, larger and better than that within the means of any individual shareholder, and its growth is along the lines of general literature.

The library numbers some 60,000 volumes, and the reading room receives upwards of 150 papers and magazines, including New York, Boston and Providence daily papers, and American, English, German, French and Italian weeklies, magazines and reviews. In bound sets of periodicals this library is especially rich. Its directors have recently voted that professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain special privilege from the board, may become a subscriber for three months on the payment of one dollar in advance. Such subscribers have the right to take out books and use the rooms of the institution in the same manner as shareholders and under like regulations. The Athenaeum is open, during the college year, from 9 A. M. to 10 P. M.

THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

This is a collection of over 12,000 volumes upon medicine, surgery and kindred branches. Many of them relate to physiology, physiological psychology, hygiene and other subjects pursued in the University. Arrangements are easily made whereby any student can, without cost, enjoy the privileges here offered. This library is in the Arnold Block, 54 North Main street, and is open from 2 to 6 P. M.

LABORATORIES

THE LADD ASTRONOMICAL OBSERVATORY

The observatory is equipped with a Saegmuller-Brashear equatorial of twelve-inches aperture, which is supplied with a filar micrometer, spectroscope and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses open to undergraduates and graduates.

The observatory furnishes constant time-signals to the Rhode Island Electric Protective Company, by which they are distributed to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity and precipitation are made throughout the year. Special observations are also made as opportunity offers.

THE PHYSICAL LABORATORY

All the courses of instruction offered by the department of Physics are conducted in Wilson Hall. This building was specially designed and constructed for a physical laboratory. The general lecture-room is large and well ventilated, and contains all the necessary conveniences for the experimental demonstration of lectures. Twelve laboratory rooms are provided for the experimental study of physics, each room being adapted to the investigation of a particular branch of the subject or available for the arrangement of classes according to proficiency. Brick piers are provided for the support of instruments requiring great steadiness, and the magnetic rooms are as free as possible from iron and other disturbing influences. Two rooms on the ground floor are devoted to a laboratory for electrical engineering, and are well equipped with machinery and instruments. Equipment

for certain special investigations recently undertaken has been placed at the disposal of the department by friends of the University. Efforts are being made continually to develop the facilities for high-temperature and high-pressure work, in the directions specified in courses 22 and 23. The cabinets are well supplied with apparatus both experimental and demonstrative, and frequent additions are made as necessity requires. In all such cases selections are made with a view to use in the students' laboratory as well as in the lecture-room, and to the exclusion of merely exhibitional apparatus.

ANATOMICAL LABORATORY

The laboratories and museum rooms of the department of Comparative Anatomy are located in Rhode Island Hall. The laboratory for introductory anatomy accommodates seventy students, and that of histology a class of thirty. The laboratories for advanced anatomy are a part of the museum, and are fully equipped with new microscopes and the ordinary instruments and reagents for practical anatomical study. In all anatomical courses the valuable collections of the University and of the Rhode Island Medical Society are placed at the disposal of the student, and fresh material is supplied in abundance. The laboratory for physiology is located on the ground floor, and work-tables are provided for a class of thirty-five. This laboratory is fully equipped with reagents, glassware and the ordinary physiological apparatus. The laboratory for investigation and the smaller private laboratories are located near the department library.

THE CHEMICAL LABORATORY

The department of Chemistry occupies a building erected expressly for its use. Besides various subsidiary rooms the building contains the chemical lecture-room and laboratories. Adjoining the lecture-room are rooms containing the apparatus in most frequent use for illustrating the lectures. The students' laboratory is supplied with work-tables and lockers furnishing accommoda-

tions for about two hundred and fifty students working by detachments. Adjacent to the students' laboratory are the balance room, the furnace room, the professor's office, and the assistants' laboratory.

THE BOTANICAL LABORATORY

The botanical department occupies the entire basement of Maxcy Hall. The main lecture-room and laboratory is well equipped, and will accommodate forty-eight students. A somewhat smaller room adjoining is designed for a histological laboratory. Instruments and materials are provided. The herbarium, on the same floor, is convenient for consultation and systematic study of native and foreign plants.

THE PSYCHOLOGICAL LABORATORY

The psychological laboratory occupies rooms in Wilson Hall. It possesses a considerable variety of apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is especially well adapted for the illustration and demonstration of the main results of experimental work in psychology. Experimental psychology, however, is a science of recent origin, and its many yet unsolved or even unsuspected problems offer a rich field for further investigation. The department aims to make contributions to knowledge on this subject by original research; and the apparatus already possessed, that which can be supplied by the University work shops or by purchase, together with what can be prepared in the laboratory itself to meet the demands of the particular problem, offer good facilities for undertaking such work.

MECHANICAL ENGINEERING LABORATORY

The laboratory, situated in the basement of Sayles Memorial Hall, is provided with excellent apparatus for making the most

important tests on the strength of materials. The apparatus at present includes a 50,000-pound Riehlé testing machine, a machine for testing full-sized timber and steel beams, a Riehlé cement-testing machine and various pieces of auxiliary apparatus. Laboratory tests connected with the course in steam engineering use as a basis the various engines and boilers operated by the University.

THE MECHANICAL ENGINEERING WORKSHOPS

There are two workshops, one for wood-working and the other for metal-working. They are well lighted, and are fitted up for purposes of instruction. The machine tools, of excellent variety and quality, are run by two ten-horse power electric motors. The wood-working shop is provided with large and small lathes; circular, band, and jig saws; buzz and surface planers, and vertical boring and mortising machines. The metal-working shop has several engine lathes of good sizes, hand lathes, a planer, a shaper, a milling-machine, large and small vertical drills, a universal grinder, a surface grinder and a cutter and reamer grinder. Both shops are well supplied with benches and bench tools.

THE DRAWING ROOMS

There are at present three large and well-lighted drawing rooms, accommodating two hundred students. These rooms are situated on the top floor of University Hall, and are reached through the south entrance. About two hundred valuable models in wood and metal have been collected. A good many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame and washing tank, for preparing and developing blue-prints. Through the generosity of friends a library for students interested in mechanical engineering has been established.

MUSEUMS

THE JENKS MUSEUM OF ZOÖLOGY

This museum is arranged according to modern methods of classification, beginning with the lower invertebrates and ending with the mammals. It includes materials not only for general work but for special investigation. There are on exhibition in the gallery, separate from the synoptic collections below, local collections representing the fauna of Rhode Island. Students giving special attention to zoölogy are allowed to take from the cases such specimens as they need, the aim always being to make the museum not merely an exhibition room but a place for work.

THE MUSEUM OF ANTHROPOLOGY

Properly to house and exhibit the rapidly growing stores of anthropological matter, a special hall contiguous to the Museum of Zoölogy has been fitted up, permitting a synoptic arrangement of the contents and otherwise greatly facilitating study. This work was done under the superintendence and entirely at the cost of the late Professor John Whipple Potter Jenks, who served so long and faithfully as the curator of the original museum. The Museum of Anthropology contains a great number of rare implements from foreign countries, as well as many once the property of the aboriginal race in our own land. Prehistoric anthropology is well illustrated by implements of stone, bone and bronze, with casts, models and photographs, either collected or purchased by Professor Packard in 1889. They represent France, Italy, England and Switzerland, materials from the lake dwellings of Switzerland being especially numerous.

THE HERBARIUM

The Herbarium consists mainly of various botanical collections which have been given or bequeathed to the University. Those of Colonel Olney, Mr. Bennett, Professor Bailey, Miss Stout and

Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout collection consists mostly of ferns. In addition to these collections, many specimens have been obtained by exchange, purchase and small donations. The Olney, Bailey and Stout collections are nearly all mounted; the remainder, more than one-half, are mainly unmounted. These collections are now all merged in one general herbarium and deposited in new cases. They are roughly estimated to contain in all about 40,000 sheets, representing specimens from more than 60,000 localities. The arrangement of orders and genera of the flowering plants is according to Bentham and Hooker's *Genera Plantarum*; the ferns, according to Hooker's *Synopsis Filicum*; the mosses, according to Eaton's list.

The Herbarium furnishes the means by which allied species and genera, maturing at different seasons or in widely separated countries, can be critically studied, side by side, and their affinities or differences observed and recorded as in no other way. It is also an invaluable reference for determining the closely allied and varying species of many difficult genera which are, at times, almost impossible to separate by the best of printed descriptions.

Under proper restriction all the botanical exhibits are made accessible to students and to the public.

THE MUSEUM OF CLASSICAL ARCHAEOLOGY

By the generosity of its friends the University has been enabled to institute a Museum of Classical Archaeology. A collection of plaster casts from works of classical art has been placed in Manning Hall, which has been appropriately arranged and decorated for this purpose. They are of rare excellence, and of great value for illustrating ancient history, biography and art. The number of casts in the museum has been considerably increased by recent donations. The last addition to the collection consists of casts from the Elgin marbles in the British museum.

PORTRAITS

The University possesses a large number of valuable portraits. Most of them are hung in Sayles Memorial Hall, which is thus made one of the chief centres of attraction on the University grounds. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of some among its former officers, and of many other distinguished persons, Americans and foreigners; the history of Rhode Island being especially well represented.

PHYSICAL CULTURE

The authorities of Brown University consider the attainment of robust physical health as among the most important aims of residence at college, necessary alike to high scholarship in college and to the successful performance of duties which arise in later life. In this view a rational and well-regulated system of physical training has been devised and is in successful operation. A due measure of such training is required of every undergraduate connected with the University, unless he is physically unable to engage in it.

The director of the gymnasium gives each student, upon entering college, a thorough physical examination, at which measurements and strength-tests are taken. From this examination a chart is made out for every student, showing his size, strength and development, and how he compares with the normal standard. Along with these data is given a card indicating how the student's weakness, if any exists, may be remedied, and affording advice in reference to bathing and the general care of the body.

From November until April each pupil is required to exercise three hours a week in the Lyman Gymnasium. This is a building of beautiful architectural design, equipped with all the apparatus usually found in modern structures of the kind. Most of this exercise occurs in classes. For class drill, the Freshmen swing Indian clubs; the Sophomores employ dumb bells; the Juniors engage in single-stick exercise; the Seniors use fencing foils, advancing, retreating, thrusting and parrying at the word of command. As a supplement to these drills each class is separated into four divisions, which perform exercises upon chest-weights, horizontal and parallel bars and other apparatus. The movements executed are graded to correspond with the strength and advancement of the several divisions. During the Sophomore and Junior years boxing and wrestling are carried on also in classes. These forms of exercise carefully conducted prove to be in the highest degree popular and beneficial. The

remainder of the required three hours per week each student devotes to the fulfilment of the directions given him on the card made out from the measurements taken at the beginning of the year. Each student is regularly marked and credited in his gymnasium work on the basis of faithfulness and punctuality.

In addition to the exercise in the gymnasium, every effort is made to encourage interest in out-door sports and participation in them at proper seasons of the year. Regular exercise in the open air is urged upon students as of very great importance. Lincoln Field, the University play ground, adjoins the gymnasium and is within a few hundred yards of most of the dormitories of the University.

The general control of all athletic organizations is in the hands of a committee of the Faculty.

HOSPITAL BEDS

Besides attempting the maintenance of the health of its students and the cultivation of a sound physique, the University makes provision for them when ill. It possesses two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical and other attendance, and medicines and board, free of charge."

RELIGIOUS SERVICES

The public duties of each day begin with religious exercises, at which all undergraduate students are required to be present. These services are held in Sayles Memorial Hall at 8.40 A. M., and are conducted by clergymen of different denominations.

All students are desired to attend divine worship on Sunday.

The Brown University Young Men's Christian Association has meetings on Wednesday evenings during term time, to which all students are welcome. The Bishop Seabury Association (Protestant Episcopal), holds a service every Friday afternoon. Each class has its own meeting for prayer and conference on Friday afternoons.

The numerous courses of study in the department of Biblical Literature and History, while thoroughly scientific, are taught from religious and philanthropic as truly as from scientific motives, with the wish to render the oracles of the Christian religion more than they are or have ever been a source of intelligent delight and of high inspiration to educated men.

LECTURES

During the year 1897-98 a number of lectures were delivered before the various clubs of the University. Many of these lectures were open to the public.

The following addresses were given before the Biblical Research Club: "Some Personal Impressions of European Biblical Scholars," by Prof. C. F. Kent, Ph. D.; "The Inspired Book," by Rev. Henry M. King, D. D., of Providence; an address by Prof. Thomas K. Cheyne, M. A., D. D., of Oxford University, England; "The Canonization of the New Testament," by Rev. E. C. Moore, Ph. D., of Providence; "The Christianity of Paul," by Rev. George H. Ferris, of Tarrytown, N. Y.; "The Temporal and Eternal in the Bible," by Rev. G. A. Gordon, D. D., of Boston. The annual address was delivered by Prof. F. C. Porter, Ph. D., of Yale University, on "The Ethics of Judaism in the Time of Christ."

Before the students in Comparative Anatomy: Gardner T. Swarts, M. D., Secretary of the State Board of Health, "Diseases of the Skin;" Charles V. Chapin, M. D., Superintendent of the City Board of Health, "The Nature of Infectious Diseases;" Jay Perkins, M. D., Medical Examiner, Providence, "Process of Repair in the Human Body;" Adolf Meyer, M. D., Neurologist, Worcester Lunatic Hospital, "The Modern Interpretation of the Nervous System;" George F. Keene, M. D., Superintendent of the State Asylum for Insane, "Forms of Mental Enfeeblement;" George L. Collins, M. D., "Surgical Technique, with Special Reference to Cancer of the Breast;" John C. Pegram, Jr., M. D., "Diseases of the Spine, and New Methods of Treatment;" Wm. A. Gorton, M. D., Butler Asylum, "Various Forms of Insanity;" Kamakichi Kishinouye, Imperial University, Tokyo, Japan, "Certain Sexual Characters of the Carididæ."

The annual address before the Philosophical Club was delivered by President G. Stanley Hall of Clark University on "Some Religious Affirmations of Philosophy."

Professor Charles R. Lanman of Harvard University delivered a lecture before the Harkness Classical Society on "The Poetry of India."

ATTENDANCE, EXAMINATIONS AND REPORTS

REGISTRATION AND ATTENDANCE

All undergraduate students and resident graduate students who desire to attend the University during a given term are required to register at the Registrar's office on or before the first day of such term. Every undergraduate student registered or re-registered after the first day of any term is charged for such registration or re-registration a fee of five dollars, to be remitted only by the President, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

EXAMINATIONS AND STANDING

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction.

The standing of students is indicated by capital letters as follows :

H is assigned to those whose work has been extraordinarily good.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass on the subject.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

Abs is assigned to those who are absent from examination, unless *F* has already been assigned.

Whenever a student's absence from examination has not been excused by the Committee on Absences, the mark *Abs* is changed to *F*.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or, if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an elective course, he may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

A student who receives the mark *F* is not allowed a special examination on work done under a tutor, unless he satisfies the head of the department that he is probably prepared for the examination, arranges with the Registrar a satisfactory date for the examination, and obtains from the Registrar written permission, for which a fee of two dollars is charged.

A student excused by the Committee on Absences from a regular examination is allowed a special examination, if he obtains written permission from the Registrar.

A student is not, unless excused by the Committee on Absences, allowed more than one special examination in a subject.

All the above-mentioned special examinations are held at times appointed by the Registrar.

A student who is delinquent in the studies of a given year cannot, unless specially excused by the Faculty, begin the studies of the next year, until he has passed the required examinations.

A candidate for a degree who at the close of a term has failed in three or more studies, counting for more than eight hours of work per week, ceases to be a candidate for a degree.

REPORTS OF ATTENDANCE AND PROFICIENCY

A careful record is kept of the attendance of every student of the University, and of his proficiency in his several studies. Of each undergraduate student the standing is determined at the

close of each term. A report is sent to the parent or guardian of every undergraduate student containing the record of all absences from required exercises, indicating his standing in each of his studies for the term, and announcing his deficiency in any study or studies if such deficiency exists.

APPOINTMENTS FOR COMMENCEMENT

Every member of the Senior Class is allowed to present for commencement an oration or a thesis. These papers, which are due on or before the second Wednesday of April, are passed upon by a committee consisting of the President of the University, the Professor of Rhetoric and a third member elected each year by the Faculty. This committee selects such orations, not exceeding ten in number, as in view of the thought, composition and writers' ability to speak may fitly be delivered at Commencement, and such theses as deserve mention for mastery of the subject which they treat and for excellence in composition. The names of the writers of the accepted theses are printed in the Commencement programme.

GRADUATE DEGREES

The degree of MASTER OF ARTS is granted under the following conditions: The candidate, already a Bachelor of Arts, of Philosophy, of Science or of Letters, must have completed a thorough course, approved by the Faculty and the Board of Fellows, of liberal graduate study, sufficient in amount to constitute a fifth year of college work, and must have passed satisfactory examinations thereupon. By continuous residence at the University, candidates fulfilling the above conditions may receive the degree in one year; but in cases of partial or entire non-residence the degree will not be conferred until after two years of graduate study. Candidates for this degree registered as *in absentia* who yet desire some instruction at the University may receive such. They are required to register at the Registrar's office specially for the course or courses desired, fees being charged accordingly. See below, under "Expenses."

The degree of DOCTOR OF PHILOSOPHY is conferred under the following conditions: The candidate must be a Bachelor of Arts, of Philosophy, of Science, or of Letters. He must have resided at the University at least two years after graduation, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding his course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued.

For the degree of Doctor of Philosophy two courses at least are required, a major and a minor. To receive this degree, one must further possess a good knowledge of Latin, French and German, unless for special reasons excused in respect to one or more of these languages. To test the candidate's proficiency in the use of these languages for the purpose of his special studies, he must be examined before the first day of December in the last year of his candidacy.

Every person desiring to be enrolled as a resident graduate student must file an application with the Secretary of the Committee on Graduate Students on or before the first day of the academic year, naming in the application the departments he

wishes to enter. The application must also bear the signature of the head of each of these departments.

Every person desiring to be enrolled for the degree of Master of Arts *in absentia* must apply as above before the first of October. Blank forms for application may be obtained of the Secretary of the Committee on Graduate Students and of the Registrar of the University. Every candidate who is not a graduate of Brown University will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

The degree of Doctor of Philosophy is not conferred in less than two years from the time of enrollment. The degree of Master of Arts is not conferred upon resident candidates in less than one year after enrollment, or upon non-resident candidates in less than two years.

A year of work for the degree of Master of Arts, unless performed in residence, cannot be counted as a year of work for the higher degree; and it is not necessarily so counted even when performed in residence.

All candidates for the degree of Doctor of Philosophy and all candidates for the degree of Master of Arts *in absentia*, are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in type-written copy or print, before the first of April in that year. The approval of such thesis by the Faculty is essential to the attainment of the degree. Candidates for the degree of Master of Arts who have studied in residence must have their final examinations certified by their officers of instruction to the Committee on Graduate Students, before the second Wednesday in June.

For the University dues connected with graduate study, see below, under "Expenses."

ACADEMIC HOODS

The University has adopted the scheme for Hoods which was recommended at a meeting of representatives of many American Colleges held at Columbia College May 16, 1895.

1. *Color.* Black.

2. *Length.* The Bachelor's hood shall be three-fourths as long as the Master's. The Master's hood shall be of the customary length, not exceeding four feet; and the Doctor's hood shall be of the same length but have panels at the sides.

3. *Lining.* The hood shall be lined with BROWN

4. *Trimmings.* The binding or edging, not more than six inches in width, shall be of silk, satin or velvet—the color to be distinctive of the Faculty to which the degree pertains, thus:—

Faculty of Arts and Letters, White.

Faculty of Theology, Scarlet.

Faculty of Law, Purple.

Faculty of Medicine, Green.

Faculty of Philosophy, Dark Blue.

Faculty of Science, Gold Yellow.

Faculty of Fine Arts, Brown.

Faculty of Music, Pink.

EXPENSES

Term bills are due, and must be paid or their payment secured, on presentation, at the beginning of each term.

GUARANTEE

Before registration every student is required to present a guarantee covering all his college expenses, signed by his parent or guardian, or other responsible person.

REGULAR UNIVERSITY DUES

UNDERGRADUATE CANDIDATES FOR DEGREES

The dues of each undergraduate candidate for a degree are as follows :

Tuition, \$35 per term ; \$105 per year.

General incidentals, \$15 per term ; \$45 per year.

The incidental expenses are for the printing of programmes, examination papers, and the like, the use of the library and gymnasium, heat for these and for the halls and recitation rooms, and the wages of servants to care for the same. The charge is fixed as nearly as possible at the actual amount of these expenses on an average of several years.

Each undergraduate candidate for a degree pays, upon admission to the University, a matriculation fee of \$5.

Every member of the Senior class pays upon graduation a fee of \$8 for his diploma and other extra expenses connected with graduation.

For laboratory dues, see below.

For expenses of college rooms, see below.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals and laboratory fees (exclusive of breakage which is charged at cost) only half the usual term dues. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

SPECIAL STUDENTS

Special students in the University pay, as a rule, full tuition and incidentals, but the charge is proportionately less when

students are admitted to courses of less than fifteen hours of class attendance a week.

GRADUATE STUDENTS

The fees for graduate students in residence are :

Tuition, \$50 per term.

Examination for the degree of MASTER OF ARTS, \$15.

Examination for the degree of DOCTOR OF PHILOSOPHY, \$25.

Laboratory dues, see below.

A candidate for the degree of DOCTOR OF PHILOSOPHY who has paid tuition for two years may, without additional charge, continue his studies for two years more if necessary to the attainment of his degree. A candidate in residence for the degree of MASTER OF ARTS who has paid tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of MASTER OF ARTS who, without remitting his studies, becomes a candidate for the degree of DOCTOR OF PHILOSOPHY is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

The fees for a candidate for the degree of MASTER OF ARTS *in absentia* are :

Registration fee, \$25.

Tuition, \$10 per term.

Examination fee, \$15.

For laboratory dues, see below.

A candidate *in absentia* is entitled, upon payment of the above fees, to pursue one three hour course at the University. For each additional one hour course \$5 is charged ; for each additional two hour or three hour course, \$10.

A candidate *in absentia* who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for two years more without additional charge, except for work taken in class-room, as stated in the preceding paragraph.

Graduate students not candidates for a degree pay for each course of one hour per week, \$5 ; for each course of two or three hours per week, \$10.

SPECIAL LABORATORY DUES

Except in chemistry, graduate students are charged \$5 per term for a three hour laboratory course. No graduate student, however, whose tuition fees are paid is charged, aside from breakage, more than \$35 per term for all laboratory work.

CHEMISTRY

Candidates for a degree who take courses 1, 2 or 3 are charged for course 1, \$1; for course 2, \$2; for course 3, \$3.

Candidates for a degree who take advanced courses in analytical chemistry are charged \$10 per term for a three hour course and \$20 for a six hour course.

Graduate students pay the same fees as undergraduate candidates for degrees.

Special students who take no study except courses 1, 2, 3 in chemistry pay for these \$10 per term.

Special students who take no study except advanced courses in analytical chemistry are charged \$4 per term for each hour per week of prescribed attendance.

Special students must pay for a full term. No deduction is made on account of absence or withdrawal.

All students in the laboratory are charged for their individual breakage of apparatus. This charge usually ranges from \$1 to \$3.

PHYSICS AND ENGINEERING

Candidates for a degree who take courses in the physical laboratory pay \$5 a term for a three hour course.

Candidates for a degree who take shopwork pay \$10 per term.

Special students who take only shopwork pay \$4 per term for each hour per week of prescribed attendance.

BOTANY

Students who take courses in Botany pay \$3 each per term.

COMPARATIVE ANATOMY

The charge for a laboratory course varies from \$2 to \$5.

GENERAL EXPENSES

The total expenses of students vary, of course, according to their habits, tastes and means, some students expending two or three times as much as others.

Subjoined are figures denoting the yearly expenses, including University dues, of several recent students, selected at random. In the case of one of these, \$250 paid for everything but board; in that of another, \$185 did the same. Two kept their total expenditure, including board and all else save clothing, down to \$265 apiece. Two others needed \$425 each, one year; \$435 and \$450, the next. Another required \$412.87, another \$475. Still another spent \$510 in his Freshman year, \$466 in his Sophomore year, both sums, however, including unusual amounts for traveling. So far as ascertained, the largest expenditure in recent years is reported by a member of the class of 1890, whose Freshman year cost him \$890, his Sophomore year \$730, his Junior year \$725.

The usual cost of board is from \$3 to \$5 per week. Most of the students do not pay over \$3.50, and good board can be obtained for \$3. Board with furnished rooms may be had in private families at from \$5 to \$10 per week. Board is not furnished at the University; but a list, kept by the Steward, of eligible families in the city where board can be obtained, is always accessible to students.

THE BROWN UNIVERSITY COÖPERATIVE REFECTORY, organized and controlled by the students of the University, furnishes its shareholders with superior board exactly at cost. At present the price is \$3.60 per week. The shares number 120 and their par value is \$10 each. The Refectory is able to accommodate a few students who own no stock, and who pay for board \$4 per week. A number of shares in the Refectory are for sale at the end of each collegiate year, usually at prices not much above their par value.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so, by giving private instruction, by teaching in evening schools and by other occupations not necessarily inconsistent with their college duties.

DORMITORY ACCOMMODATIONS

Hope College, University Hall, Slater Hall and the new Maxcy Hall contain together one hundred and twenty-one single rooms and twenty suites. In addition there are, on or near the University grounds, the Messer House, the Howell House and the Brown Street House. These houses are controlled by the University, and are used either wholly or mainly for dormitory purposes. They contain twenty-eight single rooms and three suites. The University thus presents for students' residences one hundred and forty-nine single rooms and twenty-three suites. All these rooms and suites are heated and cared for by competent servants.

Heat and service are charged for in addition to the rents listed in the tables on the following pages. The lowest charge for heat (single room) is \$15 per annum; the highest (suite) is \$30 per annum. The charge for service is from \$15 to \$21 per annum for each single room, and from \$24 to \$30 for each suite, according to the size and number of its rooms.

The rooms in Hope College, University Hall and Slater Hall, and those in the Howell, the Messer and the Brown Street House, are rented entirely unfurnished. Those in Maxcy Hall contain ample and substantial furniture, occupants having to provide nothing except bed-linen and towels.

In Hope College and in University, Slater and Maxcy Halls, each room has its gas meter, and its occupants are charged for the actual amount of gas used. This is of course in addition to rent, heat and service. In the Howell, Messer and Brown Street houses, on the contrary, the figure for rent in the following tables includes the cost of light, so that no separate charge for this is made.

When two students occupy a room or a suite together, each of the charges named above is divided between them. When, without necessity for so doing, three tenants regularly occupy a room or a suite intended for two, fifty per cent. is added to the rent and other charges.

It will be observed, further, that the cost above given for each item is the *annual* cost.

Beginning with the academic year 1898-99, the following regulations will be in force in respect to the use of rooms by sub-occupants who are not contract tenants:

1. When the University holds only a half contract for a room, the tenant cannot admit sub-occupants.

2. When the University holds full contracts for a room, the tenant or tenants may admit one or two sub-occupants, but not more than two. The names of any such sub-occupants must be reported to the Steward as soon as the arrangement for sub-occupancy is made.

3. For each sub-occupant of a room the University makes an extra charge of one dollar per term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are more it is divided equally among them.

ROOM CONTRACTS

All rooms not rented on May 30 of any year are offered for rent on that day and rented to the first applicant. Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or see paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

The following is a contract between Brown University, party of the first part, and the undersigned, parties of the second part. I hereby engage room No. in ; and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to \$ for the college year beginning September, 189 . It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted.

Signed by this day of 189 ; We (I) bind ourselves (myself) to the performance of the foregoing agreement, and guarantee the payment of any sums coming due thereunder.

The following conspectus shows the rent and location of each dormitory room controlled by the University.

HOPE COLLEGE.						UNIVERSITY HALL.					
	Division	Floor	Windows Face	Bedrooms	Rent	No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. & S.	and 36, 39 and	\$81	10	South	2	S. & W.	2	\$ 195
2	"	"	W. & S.		87	12	"	"	W.	None	75
3	"	"	W.		81	13	"	"	W.	"	70
4	"	"	E.		78	16	"	"	E.	"	60
5	"	2	E. & S.		81	17	"	"	E.	"	66
6	"	"	W. & S.		87	18	"	"	E. & S.	"	93
7	"	"	W.		81	19	"	3	S. & W.	2	180
8	"	"	E.		78	21	"	"	W.	None	72
9	"	3	E. & S.		72	22	"	"	W.	"	72
10	"	"	W. & S.		78	25	"	"	E.	"	60
11	"	"	W.		72	26	"	"	E.	"	60
12	"	"	E.		66	27	"	"	E. & S.	"	81
13	"	4	E. & S.		66	28	"	4	S. & W.	2	160
14	"	"	W. & S.		72	30	"	"	W.	None	60
15	"	"	W.		66	31	"	"	W.	"	60
16	"	"	E.		63	32	"	"	E.	"	57
17	Middle	1	E.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 40, 43 and 44, can be used either as suites or as single rooms.	78	33	"	"	E.	"	57
18	"	"	W.		81	34	"	"	E. & S.	"	81
19	"	"	W.		81	36	North	1	W.	"	75
20	"	"	E.		78	40	"	2	W.	"	75
21	"	2	E.		78	41	"	"	W.	"	75
22	"	"	W.		81	43	"	"	W. & N.	2	190
23	"	"	W.		81	44	"	"	E. & N.	None	81
24	"	"	E.		78	45	"	"	E.	"	66
25	"	3	E.		66	46	"	"	E.	"	60
26	"	"	W.		72	47	"	3	W.	"	66
27	"	"	W.		72	48	"	"	W.	"	66
28	"	"	E.		66	50	"	"	W. & N.	2	180
29	"	4	E.		63	51	"	"	E. & N.	None	75
30	"	"	W.		66	52	"	"	E.	"	60
31	"	"	W.		66	53	"	"	E.	"	60
32	"	"	E.		63	54	"	4	W.	"	60
33	North	1	E.		78	55	"	"	W.	"	60
34	"	"	W.		81	57	"	"	W. & N.	2	156
35	"	"	W.		93	58	"	"	E. & N.	None	75
36	"	"	E.		93	59	"	"	E.	"	57
37	"	2	E.		78	60	"	"	E.	"	57
38	"	"	W.		81						
39	"	"	E. & N.		93						
40	"	"	E. & N.		93						
41	"	3	W.		66						
42	"	"	W.		72						
43	"	"	W. & N.		81						
44	"	"	E. & N.		81						
45	"	4	E.		63						
46	"	"	W.		66						
47	"	"	W. & N.		72						
48	"	"	E. & N.		72						
						BROWN STREET HOUSE.					
						6	.....	2	W. N.	None	65
						8	.....	2	N.	"	40
						10	.....	3	E. S.	"	55
						11	.....	"	S. W.	"	65
						12	.....	"	W. N.	"	55
						13	.....	"	W. N.	"	55

MAXCY HALL.

No.	Floor	Windows Face	Rent
201	2	E.	\$105
202	"	"	105
203	"	E. & S.	105
204	"	W. & S.	100
205	"	W.	100
206	"	"	100
207	"	"	100
208	"	"	100
209	"	W. & N.	100
210	"	E. & N.	105
211	"	E.	105
212	"	"	105
313	3	"	105
314	"	"	105
315	"	E. & S.	105
316	"	W. & S.	100
317	"	W.	100
318	"	"	100
319	"	"	100
320	"	"	100
321	"	W. & N.	100
322	"	E. & N.	105
323	"	E.	105
324	"	"	105
425	4	"	105
426	"	"	105
427	"	E. & S.	105
428	"	W. & S.	100
429	"	W.	100
430	"	"	100
431	"	"	100
432	"	"	100
433	"	W. & N.	100
434	"	E. & N.	105
435	"	E.	105
436	"	"	105

SLATER HALL.

No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. S. & W.	2	\$200
2	"	"	E. & W.	1	150
3	"	2	E. S. & W.	2	200
4	"	"	E. & W.	2	185
5	"	3	E. S. & W.	2	190
6	"	"	E. & W.	2	185
7	"	4	E. S. & W.	1	125
8	"	"	W.	None	87
9	"	"	W.	"	57
10	North	1	E. W.	2	185
11	"	"	E. W. & N.	2	185
12	"	2	E. W.	2	185
13	"	"	W.	None	51
14	"	"	W. N. E.	2	200
15	"	3	W. E.	2	181
16	"	"	W.	None	47
17	"	"	W. N. E.	2	190
18	"	4	E.	None	53
19	"	"	W.	"	82
20	"	"	W. N. E.	1	111

MESSER HOUSE.

1	1	E. S.	None	60
2	"	S. W.	"	60
3	"	W.	"	50
4	"	E.	"	60
5	"	W.	"	25

TRUNK ROOM.

6	2	E. S.	None	65
8	"	S. W.	"	65
9	"	E.	"	45
10	"	W.	"	65
11	"	E.	"	45
12	"	W. N.	"	50
13	3	W.	"	15
14	"	W.	"	15
15	"	E.	"	25
16	"	N.	"	20

HOWELL HOUSE.

1	1	S. & E.	None	100
2	"	S.	"	70
3	"	E. & W.	"	30
4	"	N.	"	56
5	"	S. & E.	1	80
6	"	S.	None	70
7	"	N.	1	75
8	"	E. & S.	None	45
9	"	. & E.	"	15

DIRECTORY TO THE DORMITORIES

Slater Hall, South Division, Rooms 1 to 9.
 Slater Hall, North Division, Rooms 10 to 20.
 University Hall, South Division, Rooms
 1 to 34.
 University Hall, North Division, Rooms
 35 to 61.
 Hope College, South Division, Rooms 1 to 16.
 Hope College, Middle Division, Rooms 17 to 32.

Hope College, North Division, Rooms 33 to 48
 Maxcy Hall, Rooms 201 to 436.
 Messer House, Rooms 1 to 16.
 Brown Street House, Rooms 4 to 13.
 Howell House, Rooms 1 to 9.
 The Howell, Brown Street and Messer Houses
 were private residences. In them the rent
 for each room includes gas.

FELLOWSHIPS AND SCHOLARSHIPS

THE FELLOWSHIP OF THE GRAND ARMY OF THE REPUBLIC

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the fund can be used. This income goes to aid alumni of Brown University, of acknowledged excellence in scholarship and character, to pursue advanced liberal study; the intention is that the income for any year shall all go to the same person, except in case of his death, or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union veterans of the Civil War of 1861-65 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be re-appointed. The President is authorized to make for the reception and use of the income from this fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper.

Applications for the fellowship must be in the hands of the President on or before May 15th.

The Grand Army of the Republic Fellow for 1898-99 is

GEORGE THURSTON SPICER.

THE PHILADELPHIA ALUMNI FELLOWSHIP

This is another fund, to be ten thousand dollars, which the Philadelphia Alumni Association of Brown University will soon render available. Its general purpose is to assist graduate students of special ability in pursuing advanced studies at the University.

SCHOLARSHIPS

The University has about one hundred scholarships. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students, who may need pecuniary assistance; but a scholarship is forfeited if the holder incurs college censure or fails to secure a creditable standing in his studies.

The following scholarships, seventy-three in number, are of one thousand dollars each; with the exceptions indicated, they bear the name of their founders:

THE ELEVEN NICHOLAS BROWN SCHOLARSHIPS.

THE FOUR UNIVERSITY SCHOLARSHIPS.

THE PRESIDENT'S (SEARS) SCHOLARSHIP.

THE SIX ALVA WOOD SCHOLARSHIPS.

THE JAMES H. DUNCAN SCHOLARSHIP.

THE ISAAC DAVIS SCHOLARSHIP.

THE ARNOLD WHIPPLE SCHOLARSHIP, founded by Mrs. Arnold Whipple.

THE EPHRAIM WHEATON SCHOLARSHIP, founded by James Wheaton.

THE JOSEPH BROWN SCHOLARSHIP, founded by Mrs. E. B. Rogers.

THE GARDNER COLBY SCHOLARSHIP.

THE CROCKER SCHOLARSHIP, founded by Robert H. Ives and Thomas P. Ives, trustees.

THE CLARK SCHOLARSHIP, also founded by the Messrs. Ives.

THE GEORGE K. AND H. A. PEVEAR SCHOLARSHIP.

THE JOSEPH C. HARTSHORN SCHOLARSHIP I.

THE ROGERS HIGH SCHOOL SCHOLARSHIP, founded by William Sanford Rogers.

THE JAMES WHEATON SCHOLARSHIP.

THE CHARLES THURBER SCHOLARSHIP.

THE PARDON MILLER SCHOLARSHIP, founded by Mrs. Ann E. Miller.

THE HEZEKIAH S. CHASE SCHOLARSHIP.

THE WILLIAM BUCKNELL SCHOLARSHIP.

THE AUSTIN MERRICK SCHOLARSHIP, founded by Mrs. Olive E. Merrick.

THE HORATIO N. SLATER SCHOLARSHIP.

THE EARL P. MASON SCHOLARSHIP.

THE NEWPORT SCHOLARSHIP, founded by William Sanford Rogers.

THE ALEXIS CASWELL SCHOLARSHIP.

THE THREE (HENRY) JACKSON SCHOLARSHIPS.

THE MUMFORD SCHOLARSHIP, founded by Mrs. Louisa D. Mumford.

THE ALBERT DAY SCHOLARSHIP.

THE HENRY P. KENT SCHOLARSHIP.

THE ROMEO ELTON SCHOLARSHIP.

THE FIVE ANNIE E. WATERS SCHOLARSHIPS.

THE L. FAIRBROTHER SCHOLARSHIP, founded by Mrs. L. Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP.

THE JOHN P. CROZER SCHOLARSHIP, founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP.

THE TWO S. S. BRADFORD SCHOLARSHIPS.

THE FRANCIS R. ARNOLD SCHOLARSHIP.

THE CORNELIA E. GREEN SCHOLARSHIP.

THE HENRY CLIFFORD KNIGHT SCHOLARSHIP, founded by Miss Amelia S. Knight, in memory of her brother, a member of the class of 1875.

THE THURSTON SCHOLARSHIP, founded by the Hon. Benjamin F. Thurston, LL. D., of the class of 1849.

THE RUFUS BABCOCK SCHOLARSHIP, founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, Rev. Rufus Babcock, D. D., of the class of 1821.

THE JAMES FLETCHER BLACKINTON SCHOLARSHIP, founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

THE FIVE WILLIAM A. WHITE SCHOLARSHIPS, founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

THE RICHARDS SCHOLARSHIP, founded by the Rev. William Coolidge Richards, of the class of 1837.

Besides the above scholarships there are others the assignment of which is made subject to special provisions. These are as follows :

THE BARTLETT SCHOLARSHIP, of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

THE GLOVER SCHOLARSHIPS, of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839." Assignment is made upon the basis of character and attainments.

THE REBECCA A. WHEELER SCHOLARSHIP, of fifteen hundred and seventy-one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

THE SCHOLARSHIP OF THE CLASS OF 1838, of thirty-eight hundred dollars, founded by members of the class of 1838, and assigned upon the basis of character and scholarship.

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP II, of two thousand dollars, founded by the gentleman whose name it bears.

THE GEORGE J. SHERMAN SCHOLARSHIPS I AND II, of one thousand dollars each, founded by the gentleman whose name they bear.

THE S. DRYDEN PHELPS SCHOLARSHIP, of one thousand dollars, founded by the Rev. S. Dryden Phelps, D. D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

THE BANIGAN SCHOLARSHIPS I AND II, of twenty-five hundred dollars each, founded by Joseph Banigan; the income, as far as necessary, to be used each year to defray the tuition of two students of the University. The founder reserves "the right to nominate the persons to have the benefit of these scholarships, the nominees always to be satisfactory to the authorities of the University, and subject to the rules which it prescribes for all holders of its scholarships."

THE GEORGE IDE CHACE SCHOLARSHIP, of five thousand dollars, founded by Professor George Ide Chace; the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

THE ABBY WHEATON CHACE SCHOLARSHIP, of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspiration and irreproachable character."

If either in the Senior or in the Junior class there chances to be no person fulfilling the requirements, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

For the year 1898-99 the George Ide Chace Scholarship was awarded to

WALTER BOARDMAN BULLEN

and the Abby Wheaton Chace Scholarship to

ARTHUR EDWIN NORTON

THE THAYER SCHOLARSHIP, founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815; the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the Selectmen and Superintendent of Schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge the income may go to any applicant from Massachusetts who fulfils the conditions.

THE WALTER G. WEBSTER SCHOLARSHIP, founded by Walter G. Webster of the class of 1878; the income to go each year "to a young man, member of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

LOAN FUND

This is a small fund, the income of which is applied in the way of small loans for short terms, to the assistance of deserving students of limited means.

PREMIUMS AND PRIZES
FOR EXCELLENCE IN PREPARATORY STUDIES
THE PRESIDENT'S PREMIUMS

These are derived from the income of a fund presented to the University by the Rev. Francis Wayland, D. D., while President. They are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to college in Greek, Latin and French. First and Second Premiums are awarded in each of these studies.

The examinations for the premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Great importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate and idiomatic English.

The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday.

The award of these premiums for the present year was as follows :

GREEK

The First Premium to HOWARD JOSEPH WHITE, instructed by William T. Peck, Sc. D., in the Providence Classical High School.

The Second Premium in equal parts to WILLIAM ROBERT PARKHOUSE DAVEY, instructed by William T. Peck, Sc. D., in the Providence Classical High School, and WILLISTON WRIGHT BARKER, instructed by Miss Ruth B. Franklin, A. M., in the Rogers High School, Newport.

LATIN

The First Premium to HOWARD JOSEPH WHITE, instructed by William T. Peck, Sc. D., in the Providence Classical High School.

The Second Premium to CHARLES RAYMOND HASLAM, instructed by William T. Peck, Sc. D., in the Providence Classical High School.

FRENCH

The First Premium to HAROLD WEEDEN NICHOLS, instructed by Miss Harriet M. Hathaway, A. B., in the Providence Classical High School.

The Second Premium in equal parts to WILLIAM FRANCIS MUSSEY, instructed by Miss Mary E. Harwood, A. B., in the Rutland, Vt., High School and by Miss Jennie M. Pierce, and HOWARD JOSEPH WHITE, instructed by Miss Harriet M. Hathaway, A. B., in the Providence Classical High School.

THE HARTSHORN PREMIUMS

These are derived from the income of a fund of one thousand dollars, presented to the University by Joseph C. Hartshorn, A. M., of the class of 1841. The income furnishes three premiums, which are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term.

The award of these premiums for the present year was as follows :

The First Premium to HARRY YORKE NORWOOD, instructed by Fred L. Lamson, A. B., in Cook Academy, Montour Falls, N. Y.

The Second Premium to WILLIAM BENJAMIN MOSS, instructed by William W. Estes, in the Rhode Island School of Design.

The Third Premium to EVERETT THOMAS WHITFORD, instructed by G. Carpenter in the Woonsocket High School and William H. Powers, A. B., in the Pawtucket High School.

FOR EXCELLENCE IN COLLEGE STUDIES

THE CARPENTER PRIZES FOR ELOCUTION

These prizes of sixty, thirty-six and twenty-four dollars are derived from the income of a fund established by Thomas Carpenter, and are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after a public contest held on the Monday evening before Commencement.

The competitors must be members of the Sophomore class. They may declaim pieces in either prose or verse, selected from

English authors. These selections must be approved by the Instructor in Public Speaking. Competitors are to enter their names with this instructor not later than the first day of February. The contest to select the speakers takes place the latter part of the winter term.

The Committee of Award consists of five members, and is formed as follows: The Professor or the Instructor in Public Speaking, who is the chairman; two persons elected by the Corporation, and two by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible.

The Committee for 1898 awarded the prizes as follows:

The First Prize to CLIFFORD SPENCE ANDERSON.

The Second Prize to LAWRENCE GILPIN PAINTER.

The Third Prize to LEONARD MERRICK PATTON.

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

These are derived from the income of a fund presented to the University by the Hon. Ratcliffe Hicks, of the class of 1864. They are annually awarded to the two members of the Junior class who, in the judgment of a carefully selected committee, display the greatest ability in debate. The contest is held on the evening before Class Day.

For the year 1898 the prizes were awarded as follows:

The First Prize to ANTONIO MANGANO

The Second Prize to LOUIS ALBION THOMAS

THE DUNN PREMIUM

A fund amounting to somewhat over eight hundred dollars was presented to the University by pupils and friends of the late Professor Robinson Potter Dunn, D. D., the income to be given, at the end of the Junior year, to the student having the highest standing in rhetorical studies, "rhetorical studies" meaning here those in the department of Rhetoric and Oratory. The nomination for the premium is made by the officers in this department, and has regard to the number of studies which competitors have taken as well as to the rank which they have attained therein.

For the year 1897-98 the premium was awarded to

FREEMAN PUTNEY JR.

THE CARPENTER PREMIUMS

These two premiums, of sixty dollars each, are derived from the income of a fund established by Thomas Carpenter and Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life—ability, character and attainment."

For the year 1897-98 the Carpenter Premiums were awarded to

LOUIS ALLEN CROCKER

and

JAMES SIDNEY ALLEN JR.

THE HOWELL PREMIUM

This fund, amounting to one thousand dollars, was presented to the University by the late Gamaliel Lyman Dwight. The income is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, each term from the Freshman year to the end of the second term in the Senior year, select at least one of the elective studies offered in Pure or Applied Mathematics.

For the year 1897-98 this premium was awarded to

DWIGHT KELLOGG BARTLETT

THE CLASS OF 1873 PRIZE

A fund amounting to five hundred dollars was presented to the University by the class of 1873, on the condition that its income should be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject being of an historical nature one year, of a philosophical nature the next. In 1898 it was historical.

On Commencement Day, June 15, 1898, the President announced the award of this prize to

WILLIAM ADAMS SLADE

THE FOSTER PREMIUM IN GREEK

This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the late Hon. LaFayette Sabine Foster, LL. D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior class, will be held early in May, 1899. Candidates will be examined in the Iliad.

On Commencement Day, June 15, 1898, the President announced the award of the prize to

EPHRAIM LEROY HART

THE LUCIUS LYON PREMIUMS IN LATIN

These are derived from the income of a fund of five thousand dollars presented to the University by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year form the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded only as the result of a special examination held during the last term of the Senior year, and only for real merit. The examination may relate to the Latin language, Roman literature, Roman history, or partly to one of these subjects and partly to another or to both the others. The President of the University and the head of the Latin department prescribe for admission to the examination such conditions as in their judgement will secure the best results.

For the year 1897-98 the prizes were awarded as follows :

The First Prize to EPHRAIM LEROY HART.

The Second Prize to WILLIAM EUGENE WINCHESTER.

SENIOR ESSAY MEDAL

The National Society of the Sons of the American Revolution offers for competition at the annual Commencement a silver medal, to be awarded by the Faculty on behalf of the society, for the best Senior essay containing not less than 1600 and not more than 2000 words, upon the principles fought for in the American Revolution. The medal bears the name of the winner and the name of the University. The competition at Brown University is in the charge of the department of Rhetoric and Oratory.

A copy of the prize essay from each institution where the competition occurs is sent to the President-General of the society. These essays are referred to a select committee of the society, which awards to the writer of the one it deems the most meritorious a gold medal of the value of one hundred dollars.

In 1898 no medal was offered.

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

In 1894 the widow and children of the Hon. William Gaston, of the class of 1840, and afterward Governor of Massachusetts, gave to the University the sum of three thousand dollars, from the income of which is annually provided a gold medal bearing the name "William Gaston," to be awarded to that member of the graduating class "who shall write and at Commencement pronounce in English the best oration."

Any member of the Senior class, in good standing, may compete for the medal provided he has been five full terms at the University, has regularly attended and faithfully performed the work in elocution and oratory required during the course, and has shown himself proficient as a speaker and writer. Each competitor is required to deposit in the Registrar's office, on or before noon of the first Monday in the Spring term, an oration of his own composition, type-written and signed with his name. No oration as

completed for delivery may consist of more than fifteen hundred words. Before it is delivered at Commencement each oration must be rehearsed at least five times before the Professor or Instructor in Oratory, such rehearsals to be completed at least one week before Commencement Day. At the first rehearsal each speaker is required to hand to the Professor in Rhetoric and Oratory an autograph copy of his oration for preservation in the University library.

The Committee of Award consists of three persons not members of the Faculty, to be selected as follows: One by the President of the University, one by the Faculty, and one by the contestants. No speaker at Commencement is permitted to make use of a prompter. The members of the committee take into account thought, composition and delivery.

On Commencement Day, June 15, 1898, the Gaston medal was won by

AUDUBON ARMS

DEGREES CONFERRED IN 1898

DEGREES IN COURSE

THE DEGREE OF BACHELOR OF ARTS

ON

JAMES SIDNEY ALLEN JR.	WILFORD JAY GUNN
AUDUBON ARMS	EDWARD STOCKBRIDGE GUSHEE
FREDERICK WILLIAM ARNOLD JR.	EPHRAIM LE ROY HART
HARLAN JUDSON BALLENTINE	RATCLIFFE GEORGE EARLE HICKS
PLINY ARTHUR BOYD	JAMES HENRY HIGGINS
CHARLES BRADLEY JR.	ARTHUR GEORGE HOST
ARTHUR PALMER BRIGGS	ERNEST MORRILL HUNT
WILLIAM HENRY BUFFUM	RALPH KINGSLEY HYDE
THOMAS JAYNE BURRAGE	LUKE JOSEPH KAVANAUGH
WILLIAM HAMLIN CADY	JOHN HENRY KELAGHAN
HAZEN ALBERT CALHOUN	CHARLES ATWOOD MARSH
CHARLES CARROLL	LESTER BENJAMIN MATHEWSON
RUFUS EDWARD CORLEW	GEORGE ALFRED MELLEN
HENRY JOHN COLE CORRIGAN	FRANCIS DIONYSIUS MONAHAN
FRANK GOODWIN CRANE	GEORGE WINFIELD MORRIS
THOMAS WESLEY DAMMES	DIONYSIUS FRANCIS O'BRIEN
WALTER DAVID DEVAULT	BERNARD WRIGHT OWEN
THEODORE EVERETT DEXTER	ERNEST CLINTON ROWELL
ALBERT MILTON DUNHAM	WOODBURY JOHN SCRIBNER
CHARLES DEMARCUS PAYNE EATON	GEORGE HERBERT SHERWOOD
WIRT T FELLOWS	FRED ANDREW SMART
JOHN KELSEY FENNER	THOMAS ELWOOD STEERE
JOHN BURNHAM FERGUSON	JOSEPH TAYLOR
MARSDEN RHODES FOSTER	MILLETT TAYLOR THOMPSON
ROBERT JAQUITH FULLER	WALTER ROY TOURTELLOTT
GEORGE ANTHONY GASKILL	GEORGE FRANCIS TROY
CHARLES HENRY GEORGE 2d	STACY REUBEN WARBURTON
HOWARD BOWEN GORHAM	HEZEKIAH CHURCH WARDWELL
ERIK HASTINGS GREEN	BURTIS ERWIN WHITTAKER
ARTHUR MOSES GREENWOOD	JAMES MICKEL WILLIAMS
WALTER AMER GUILLE 2d	WILLIAM EUGENE WINCHESTER
WINNIE AUSTIN	KATHERINE MARIE NEUSCHUEZ
KATHERINE LAURETTA CAWLEY	EDITH AUGUSTA THOMPSON
PHEBE RUSHMORE GIFFORD	ETHEL ELLA TOWER
GRACE ELIZABETH INMAN	MARGARET LILLIAN WESLEY

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

ALBERT ARMINGTON BARROWS	GEORGE FRANCIS JENKS
OREN NELSON BEAN	SIMON SAYLES LAPHAM JR.
ARTHUR MASON BRIGGS	WILLIAM LAUDER
LYLE WINTERS BROOKINGS	CLIFFORD ELMORE MCGLAUFLIN
JOHN WINTHROP COMEY	SMITH LEWIS MULTER
GARDNER CORNETT	CHARLES ERI OSBORNE
LOUIS ALLEN CROCKER	CHARLES EDWIN PAINE
CLINTON HARVEY CURRIER	FORDYCE DEXTER PERKINS
GEORGE LEONARD DROWNE	JOHN PETTIBONE
HOWARD WAYLAND FARNUM	LEWIS TEW PLACE
JOSEPH HENRY FARRELL	DAVID WALLACE REEVES JR.
ERTELLE ELWELL FRANKLIN	FREDERICK HUBBARD SIBLEY
DAVID LEWIS FULTZ	WILLIAM ADAMS SLADE
JOHN ASHLEY GAMMONS	FRANKLIN KEITH TAFT
WARREN EARL GREENE	ANDREW SAMUEL THOMSON
WILLIAM TAYLOR GRINNELL JR.	GEORGE EDWARD WALKER
ARTHUR LEON GROVER	JOHN EDMUND WELLS
GEORGE MACKIE GUSTIN	BORDEN DUFFEE WHITING
RICHARD RALLSTON HUNTER	EDWIN EVANS WIGHTMAN
ADELAIDE HARRIS ARNOLD	EMMA HINDLEY
EDNA BIGELOW ARNOLD	ETHEL CLARE JAMESON
LUCY ANNA BATES	EMILY GARDNER MUNRO
ANNE WOLCOTT CARPENTER	IDA EVELYN WAITE
NORMA GARVIN	AMY EARL WHITE
ELIZABETH CHRISTINA GRANT	JESSIE WILSON

THE DEGREE OF MECHANICAL ENGINEER

ON

EDWARD LAWRENCE ADAMS	FRANK EDWARD HOPKINS
DWIGHT KELLOGG BARTLETT	EDWARD FEILING HULL
ERNEST LINCOLN DARLING	HARRY CURTIS HULL

THE DEGREE OF MASTER OF ARTS

in connection with their classes

ON

FRANKLIN BURDGE, Class of 1856

ARTHUR BATEMAN CORTHELL, Class of 1881

GEORGE IRVING HOPKINS, Class of 1875

HENRY WHITEFIELD MORSE, Class of 1851

LIVINGSTON SATTERLEE, Class of 1860

THE DEGREE OF MASTER OF ARTS

After Examination

ON

AMEY OWEN ALDRICH, L. B.

LILLIAN BURLEIGH MINER, A. B.

JOSIAH BARTLETT, Ph. B.

SARAH MABEL OSBORN, A. B.

DAVID BLAUSTEIN

CHARLES LESLIE FAIRBANKS PAULL,

WILLIAM CARPENTER BLISS, A. B. Ph. B.

EDWIN CORNELIUS BROOME, Ph. B. MABEL LOUISE POTTER, Ph. B.

MABELLE ALICE CAFFREY, A. B. ERNEST EDWARD TYZZER, Ph. B.

HERLWYN RUGGLES GREEN, A. B. ARTHUR EUGENE WATSON, A. B.

DANIEL HOWARD, A. B. FRANK ELBERT WATSON, Sc. B.

MARCUS WILSON JERNEGAN, A. B. ANNE TILLINGHAST WEEDEN, A. B.

AUSTIN HERBERT KEYES, Ph. B. EDITH HOLMES WILLISTON, Ph. B.

THE DEGREE OF DOCTOR OF PHILOSOPHY

After Examination

ON

FREDERIC SLOCUM, A. B., A. M.

Astronomy, Mathematics

THESIS: The Harmonic Analysis of the Tides and
A Discussion of the Tides of Narragansett Bay

AND ON

JOSIAH NELSON CUSHING

in recognition of the critical research and special attainments evinced
in his dissertation entitled, Buddhism Compared with Christianity.

HONORARY DEGREES

THE DEGREE OF MASTER OF ARTS

ON

ADELIA THOMPSON HILLMAN

THE DEGREE OF DOCTOR OF SCIENCE

ON

JOHN RUSSELL BARTLETT
WARREN RICHMOND PERCE

THE DEGREE OF DOCTOR OF DIVINITY

ON

DAVID BARNES FORD
LEANDER CORNELIUS MANCHESTER

THE DEGREE OF DOCTOR OF LAWS

ON

ALPHAËUS HYATT
JESSE MACY

STUDENTS

GRADUATES

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

ALLAN BUELL BICKNELL	<i>Providence</i>	30 Arch St.
A. B. Brown University 1896; A. M. 1897		
Latin, Greek		
JOHN WILOUGHBY BROWN	<i>Nictaux Falls, N. S.</i>	27 Benevolent St.
A. B. Acadia College 1886; A. M. 1895		
Philosophy, Biblical Literature and History		
CLARA ELIZABETH COMSTOCK	<i>Providence</i>	550 Broad St.
Ph. B. Brown University 1895; A. M. 1897		
English, Philosophy, Romance Languages		
WILLIAM HOLDEN EDDY	<i>Providence</i>	49 Bradford St.
A. B. Brown University 1892; A. M. 1893		
German, Romance Languages		
MILLER MOORE FOGG JR.	<i>Providence</i>	50 Waterman St.
A. B. Brown University 1894; A. M. 1895		
English, Rhetoric		
EDWIN COLLINS FROST	<i>Providence</i>	207 Smith St.
A. B. Brown University 1890; A. M. 1897		
English, German, Romance Languages		
JOHN FRANCIS GREENE	<i>Seekonk, Ms.</i>	22 University Hall
A. B. Brown University 1891		
Latin, History, German, Italian		
AUSTIN HERBERT KEYES,	<i>Auburn</i>	Auburn
Ph. B. University of Maine 1897; A. M. Brown University 1898		
Greek, Latin		
LEWIS HAMILTON MEADER	<i>Providence</i>	88 Andem St.
A. B. Dartmouth College 1878; A. M. Brown University 1894		
History, Political Science		
ARVID REUTERDAHL	<i>Providence</i>	325 Willard Ave.
Sc. B. Brown University 1897		
Philosophy, Physics		
ARTHUR CURTIS SCOTT	<i>Kingston</i>	Kingston
B. S. Rhode Island College 1895		
Physics, Mathematics		

SIDNEY ALGERNON SHERMAN	<i>Providence</i>	347 East Ave.
A. B. Amherst College 1885 Social Science, Political Science, Political Economy		
JOHN SMITH SHIPPEE	<i>East Greenwich</i>	East Greenwich
A. B. Brown University 1894 Latin, Greek		
HOWARD CYRUS TILTON	<i>Creal Springs, Ill.</i>	
A. B., Sc. B. Shurtleff College 1895; A. M. Brown University 1897 Philosophy, Pedagogy		
FREDERIC EARLE WHITAKER	<i>Woonsocket</i>	Woonsocket
A. B. Brown University 1888; A. M. 1892 Greek, Latin, Classical Archaeology		
EDITH HOLMES WILLISTON	<i>Providence</i>	18 Harrison St.
Ph. B. Brown University 1896; A. M. 1898 French, German, English Literature		
HERRICK PLATT YOUNG	<i>Providence</i>	5 Chapin Ave.
A. B. Brown University 1887; A. M. 1890 Latin, Ancient History		

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

I. *Fully in Residence.*

ADELAIDE HARRIS ARNOLD	<i>Pawtucket</i>	Pawt., 44 Clay St.
Ph. B. Brown University 1898 Pedagogy, English Literature		
HARLAN JUDSON BALLENTINE	<i>N. Attleborough, Ms.</i>	Brown University
A. B. Brown University 1898 Philosophy, Biblical Literature and History		
BEATRICE, JENNIE BARKER	<i>Providence</i>	357 Westminster St.
Ph. B. Brown University 1895 Social Science, Bibliography		
FLORENCE MAY BARNEFIELD	<i>Pawtucket</i>	Pawt., 99 Summit St.
A. B. Wellesley College 1895 German, French		
JOSEPHINE ANGELL BEANE	<i>Olneyville</i>	275 Plainfield St.
A. B. Brown University 1897 Pedagogy, Social Science		
EDITH SEVER BOARDMAN	<i>Central Falls</i>	115 Bagley St.
A. B. Wellesley College 1895 German, Pedagogy		
LOUISE MARY JANE BROUGH	<i>Providence</i>	13 Pomona Ave.
Ph. B. Brown University 1897 English Literature, French, German		
MARY ARNOLD BROWNELL	<i>Providence</i>	73 Prospect St.
Ph. B. Brown University 1897 Fine Arts		

EDWARD EVERETT BUCKLIN Ph. B. Brown University 1896 Political Science, Pedagogy	<i>Providence</i>	162 Clifford St.
THOMAS JAYNE BURRAGE A. B. Brown University 1898 Comparative Anatomy	<i>Portland, Me.</i>	5 Hope College
FLORENCE POTTER CASE A. B. Brown University 1897 Pedagogy, History	<i>Providence</i>	101 Somerset St.
CLINTON HARVEY CURRIER Ph. B. Brown University 1898 Mathematics, Astronomy, Chemistry, French	<i>Manchester, N. H.</i>	46 Hope College
HOWARD DORRANCE DAY A. B. Yale University 1893 Physics	<i>Providence</i>	216 Medway St.
WALTER DAVID DEVAULT A. B. Brown University 1898 Pedagogy, Political Economy, Chemistry	<i>Flourville, Tenn.</i>	30 University
LUCY JANE FREEMAN A. B. Wellesley College 1897 Fine Arts	<i>Central Falls</i>	Central Falls
ALICE LOUISE GARDNER A. B. Brown University 1897 English, Fine Arts	<i>Warren</i>	106 George St.
NETTIE SERENA GOODALE A. B. Brown University 1895 Philosophy, Political Economy	<i>Providence</i>	106 George St.
BERTHA BEATRICE GRANT A. B. Brown University 1897 Pedagogy, Latin, Greek	<i>Providence</i>	40 Providence St.
ELIZABETH CHRISTINA GRANT Ph. B. Brown University 1898 Pedagogy, English Literature	<i>Providence</i>	155 Lippitt St.
ERIK HASTINGS GREEN A. B. Brown University 1898 Chemistry, Comparative Anatomy	<i>Providence</i>	14 John St.
EMMA HELENA GREGORY A. B. Wellesley College 1891 English Literature, Pedagogy	<i>Providence</i>	29 Ann St.
MINNIE ARABELLA HALL A. B. Wellesley College 1880 Pedagogy, English Literature	<i>Providence</i>	417 Pine St.
CLARENCE GRANT HAMILTON A. B. Brown University 1888 Music	<i>Providence</i>	22 Portland St.

EMMA HINDLEY Ph. B. Brown University 1898 Comparative Anatomy	<i>Valley Falls</i>	Valley Falls
ARTHUR GEORGE HOST A. B. Brown University 1898 Pedagogy, English Literature	<i>Providence</i>	12 Potters Ave.
RALPH KINGSLEY HYDE A. B. Brown University 1898 Mathematics, Astronomy, Chemistry, Geology	<i>Providence</i>	250 Charles St.
GRACE ELIZABETH INMAN A. B. Brown University 1898 German	<i>Providence</i>	1632 Chalkstone Ave.
ETHEL CLARE JAMESON Ph. B. Brown University 1898 Pedagogy, English, Philosophy	<i>East Providence</i>	East Providence
KATHERINE GERTRUDE LYNCH A. B. Smith College 1894 Pedagogy, English	<i>N. Attleborough, Ms.</i>	64 Allston St.
FRANK EDWIN LAKEY A. B. Brown University 1894 Social Science, Pedagogy	<i>Providence</i>	67 Wendell St.
CHARLES ATWOOD MARSH A. B. Brown University 1898 Mathematics, Physics, Mechanics	<i>Lynn, Ms.</i>	430 Maxcy Hall
MARY JOSEPHINE MORONEY A. B. Wellesley College 1897 Pedagogy, German	<i>Pawtucket</i>	Pawt., 209 Broadway
ALBERT SWIFT MORSE A. B. Brown University 1896 Romance Languages, Latin	<i>Fairhaven, Ms.</i>	103 Hope St.
WILLIAM JAMES NOBLE A. B. Brown University 1897 Philosophy, Pedagogy, Hebrew	<i>Boston, Ms.</i>	33 Benevolent St.
FORDYCE DEXTER PERKINS Ph. B. Brown University 1898 English, Psychology, Pedagogy	<i>Kennebunkport, Me.</i>	Howell House
MARY LOUISE ROGERS A. B. Wellesley College 1898 Comparative Anatomy	<i>Pawtucket</i>	62 George St.
EDA MAY ROUND Ph. B. Brown University 1897 Pedagogy, Mathematics, Physics	<i>Providence</i>	139 Superior St.

GEORGE HERBERT SHERWOOD	<i>Providence</i>	250 Laurel Ave.
A. B. Brown University 1898 Comparative Anatomy		
FRED ANDREW SMART	<i>South Portland, Me.</i>	Pawt. 6 George St.
A. B. Brown University 1898 Pedagogy, English Literature		
GEORGE THURSTON SPICER	<i>Providence</i>	371 Broadway
A. B. Brown University 1897 Music, Fine Arts, Romance Language		
EMMA BRADFORD STANTON	<i>Bristol</i>	Pembroke Hall
Ph. B. Brown University 1896 French, German		
MILLETT TAYLOR THOMPSON	<i>Providence</i>	204 Bowen St.
A. B. Brown University 1898 Comparative Anatomy		
ETHEL ELLA TOWER	<i>Providence</i>	397 Pine St.
A. B. Brown University 1898 Pedagogy, English Literature		
FRANK ROWLAND WHEELER	<i>Mystic, Ct.</i>	211 Maxcy Hall
A. B. Brown University 1897 Social and Political Science		
AMY EARL WHITE	<i>Attleborough, Ms.</i>	Attleborough
Ph. B. Brown University 1898 Pedagogy Mathematics, Philosophy		
CLARA WHITEHEAD	<i>Providence</i>	39 Kenyon St.
A. B. Brown University 1897 Pedagogy, Mathematics, Physical Geography		
FLORENCE JOSEPHINE WHITING	<i>Plainville, Ms.</i>	105 George St.
A. B. Brown University 1896 Pedagogy, Physics, Chemistry		
JESSIE WILSON	<i>Rumford</i>	Rumford
Ph. B. Brown University 1898 English Literature, Comparative Anatomy, History		
WILLIAM EUGENE WINCHESTER	<i>Providence</i>	240 Camp St.
A. B. Brown University 1898 Pedagogy, Elementary Law, Psychology		
NORA GIRALDA WRIGHT	<i>Olneyville</i>	Olneyville
A. B. Bates College 1895 Pedagogy, English		
11. Registered as <i>in absentia</i> yet resident near the University and able to enjoy certain of its privileges.		
MARIAN TOWNE BAKER	<i>Providence</i>	48 Barnes St.
A. B. Smith College 1896 German		

CAROLINE IDA DOANE A. B. Smith College 1892 Chemistry, Physics	<i>N. Attleborough, Ms.</i>	<i>N. Attleborough</i>
EDWIN KNOWLES JR. Ph. B. Brown University 1894 Music	<i>Providence</i>	47 Stewart St.
ELIZA METCALF PEIRCE A. B. Smith College 1889 Philosophy, English	<i>Providence</i>	507 Broadway
WILLIAM JOB REYNOLDS A. B. Brown University 1886 Biblical Literature and History	<i>Providence</i>	134 Linwood Ave.
HERBERT HOWARD RICE A. B. Brown University 1892 Political Economy, History	<i>Providence</i>	15 Snow St.
LINDA RICHARDSON A. B. Brown University 1897 Latin	<i>N. Attleborough, Ms.</i>	<i>N. Attleborough</i>
ALICE RACHEL SHEPPARD A. B. Boston University 1892 Fine Arts, German	<i>Providence</i>	38 Congdon St.
WALTER ALLEN YOUNG Ph. B. Brown University 1891 Ethics, Pedagogy	<i>Providence</i>	69 Barnes St.

III. Fully in absentia.

JOHN CLINTON ANTHONY A. B. Brown University 1895 English Literature, Philosophy	<i>New Britain, Ct.</i>
HENRY WARD BEECHER ARNOLD A. B. Brown University 1893 Mathematics, Physics, Latin	<i>Holyoke, Ms.</i>
ROBERT MARSHALL BROWN A. B. Brown University 1893 Meteorology, Chemistry	<i>Portsmouth, N. H.</i>
SHARONTON HALE BAKER A. B. Brown University 1883 Political Economy, Greek	<i>Willimantic, Ct.</i>
WILLIAM ALVA BRADY Ph. B. Brown University 1894 Biblical Literature	<i>Narragansett Pier.</i>

- ARTHUR DEERING CALL *Elmira, N. Y.*
Ph. B. Brown University 1896
Social Science, Pedagogy
- ARTHUR LLEWELLYN ENO *Charlotte, Vt.* *Burlington, Vt.*
A. B. Brown University 1895
English, Rhetoric
- HERSHEL LUTHER GARDNER *118 45th St., New York City*
A. B. Columbia College 1892
History
- IDA ELLIS HAWKINS *East Providence*
Ph. B. Brown University 1897
German, History, English
- ROBERT DOUGLAS HOYT *Sta. M., New York City*
A. B. University of Vermont 1894
Latin, History
- EMOGENE MIRIAM MANNING *Raynham, Ms.*
A. B. Brown University 1896
Astronomy, Pedagogy
- LESTER MESEROLL *Tiverton* *Tiverton*
A. B. Brown University 1895
Biblical Literature, Oriental History
- GEORGE LINCOLN PARKER *Fitchburg, Ms.*
A. B. Brown University 1896
Music
- JARED HARVEY RANDALL *Rangoon, Burmah*
A. B. Brown University 1897
History, Burmese
- JAMES WYLIE ROSS *Strawn, Tex.*
A. B. Brown University 1896
Mathematics, Pedagogy

STUDENTS ON SPECIAL COURSES

- FREDERICK CARHART ADAMS *Natick, Ms.* *80 Congdon St.*
A. B. Williams College 1895
Physics, Pedagogy
- MARTHA SHEPARD BRIGGS *Attleborough, Ms.*
A. B. Brown University 1897
Comparative Anatomy
- CARL RUSSELL FISH *Providence* *18 Cabot St.*
A. B. Brown University 1897; A. M. Harvard University 1898
History

- | | | |
|-------------------------------|-------------------------------|------------------|
| HOWARD BOWEN GORHAM | <i>Providence</i> | 236 Knight St. |
| A. B. Brown University 1898 | | |
| Law | | |
| SIMON SAYLES LAPHAM JR. | <i>Providence</i> | 15 Richmond Sq. |
| Ph. B. Brown University 1898 | | |
| Law | | |
| GRACE TYLER PRATT | <i>Deerfield, Ms., Pawt.,</i> | 207 No. Main St. |
| A. B. Smith College 1892 | | |
| English Literature | | |
| CHARLOTTE LUSANNE TILLINGHAST | <i>Providence,</i> | 260 Angell St. |
| Ph. B. Brown University 1896 | | |
| Psychology | | |
| GEORGE FRANCIS TROY | <i>Providence</i> | 55 Barton St. |
| A. B. Brown University 1898 | | |
| Law, Spanish | | |

UNDERGRADUATES

SENIOR CLASS

NAME	RESIDENCE	ROOM
Charles Bradbury Allen	<i>No. Sedgwick, Me.</i>	Messer 13
Charles Duke Atkins	<i>Springfield, Ms.</i>	Hope 27
John Edward Babbitt	<i>Bellows Falls, Vt.</i>	Maxcy 425
Dwight Wood Baker	<i>Providence</i>	48 Barnes St.
Russell Wightman Baker	<i>Providence</i>	Slater 18
William Edward Baker	<i>South Amboy, N. J.</i>	127 Benefit St.
Howard Clark Barber	<i>Hope Valley</i>	University 31
Ralph Edmonds Barker	<i>Taunton, Ms.</i>	University 49
George William Baylis	<i>Brooklyn, N. Y.</i>	34 Benevolent St.
George Safford Beal	<i>Brockton, Ms.</i>	Hope 48
Samuel Marsden Beale Jr.	<i>Stoughton, Ms.</i>	147 Mineral Sp'g Ave.
Geo. Washington Bennett Jr.	<i>Providence</i>	14 Jenkins St.
Joseph Warren Bigelow	<i>New York, N. Y.</i>	Slater 7
Earnest Simons Bishop	<i>Providence</i>	112 George St.
Albert Morton Blaisdell	<i>Bradford, N. H.</i>	University 17
Arthur Horace Blanchard	<i>Providence</i>	Maxcy 202
Lester Wells Boardman	<i>Newport</i>	University 28
Stephen Wentworth Bourn	<i>Bristol</i>	Hope 7
Urban Charles Brewer	<i>Danville, Ind.</i>	Hope 38
Clarence Saunders Brigham	<i>Providence</i>	141 Prospect St.
Howard Haines Brown	<i>Camden, N. J.</i>	Maxcy 323
Harold Winifred Brown	<i>Tiverton</i>	Hope 5
Lloyd Brown	<i>Wollaston, Ms.</i>	University 19
Nathaniel Frank Bryant	<i>Newtonville, Ms.</i>	Hope 12

NAME	RESIDENCE	ROOM
Walter Boardman Bullen	<i>Newton Centre, Ms.</i>	Hope 8
Paul Henry Burns	<i>No. Brookfield, Ms.</i>	Maxcy 212
James Winthrop Campbell	<i>Biltmore, N. C.</i>	Slater 1
Daniel Champlin Chace	<i>Providence</i>	362 Point St.
Laurence Herbert Chace	<i>Orange, Ms.</i>	E. Providence
Merton Leland Chadsey	<i>Providence</i>	University 19
Julian Clement Chase	<i>Pawtucket</i>	Maxcy 208
James Harper Chase	<i>Providence</i>	77 Olney St.
George Dudley Church	<i>Providence</i>	Slater 18
Walter William Clark	<i>Worcester, Ms.</i>	Hope 19
John Arthur Clough	<i>Worcester, Ms.</i>	Maxcy 202
Francis Sessions Cole	<i>Providence</i>	Cole Ave.
Le Baron Carleton Colt	<i>Providence</i>	105 Waterman St.
William Pratt Comstock	<i>Providence</i>	University 18
George Edgar Congdon Jr.	<i>Cranston</i>	Hope 21
Charles Osmond Cooke	<i>Providence</i>	University 53
William Mather Cotton Jr.	<i>Providence</i>	University 19
Walter Coates Cottrell	<i>Atlan. H'g'l'ds, N.J.</i>	Maxcy 323
Thomas Hart de Coudres	<i>McLean, N. Y.</i>	Maxcy 313
Arthur Freeman Crowell	<i>Providence</i>	255 Orms St.
Ira May Cushing	<i>Brookline, Ms.</i>	Maxcy 428
Charles Bates Dana	<i>Santa Rosa, Cal.</i>	Slater 15
George Warren David	<i>Falmouth, Ms.</i>	112 George St.
George Howard Davis	<i>Pawtucket</i>	Hope 27
Charles Thompson Dewey	<i>Gt. Barrington Ms.</i>	Maxcy 426
Charles Howard Dow Jr.	<i>Providence</i>	Messer 16
Joseph William Dows Jr.	<i>Providence</i>	44 Benevolent St.
Albert Edmund Dunn	<i>Houlton, Me.</i>	Maxcy 207
James Franklin Dyer	<i>Portland, Me.</i>	Maxcy 210
Charles Daniel Easton	<i>Lakeport, N. H.</i>	117 George St.
Joseph Wilcox Ellis	<i>New Bedford, Ms.</i>	Maxcy 313
Ralph Caleb Estes	<i>Winn, Me.</i>	112 George St.
Bernard Capen Ewer	<i>Providence</i>	University 53
Nathaniel Trull Ewer	<i>Providence</i>	180 Power St.
William Ellis Farnham	<i>East Providence</i>	2 Sixth St.
Evan Dale Field	<i>Smithfield, Pa.</i>	Hope 13

NAME	RESIDENCE	ROOM
Arthur Herbert Fitz	<i>Providence</i>	Hope 14
Charles Kenworthy Francis	<i>Providence</i>	506 Smith St.
Caleb Allen Fuller	<i>Providence</i>	277 Brook St.
Charles Israel Gates	<i>Canonchet</i>	Hope 14
Nathaniel Howland Gifford	<i>Providence</i>	Hope 11
Arthur Leonard Giles	<i>Providence</i>	Hope 48
John Mason Glen Jr.	<i>Geneva</i>	Geneva
George Albert Goulding	<i>Providence</i>	112 George St.
Benjamin Ward Grim	<i>Bridgeton, N. J.</i>	Messer 5
Clarence Herbert Guild Jr.	<i>Providence</i>	Slater 16
Paul Shelly Guilford	<i>Shelburne Falls, Ms.</i>	University 46
Gorden Dyer Hale	<i>Providence</i>	24 Barnes St.
Edward Shannon Hanson	<i>Taunton, Ms.</i>	Slater 2
Joseph Charles Hartwell	<i>Providence</i>	Slater 4
Guilford Clinton Hathaway	<i>Fall River, Ms.</i>	Hope 22
Hugh Vincent Hazeltine	<i>Warren, Pa.</i>	University 47
Mellinger Edward Henry	<i>Irwin, Pa.</i>	Hope 28
Lothrop Davis Higgins	<i>Boston, Ms.</i>	Hope 47
Carlos Grout Hilliard	<i>Saxton's River, Vt.</i>	Hope 2
Louis Rhodes Holmes	<i>Providence</i>	Hope 34
Oliver Chase Horsman	<i>Providence</i>	15 Adelphi Ave.
Eddy Phillips Howard	<i>Providence</i>	University 13
Charles Arnold Hull	<i>Auburn</i>	University 56
Albert Foster Hunt	<i>Fall River, Ms.</i>	41 Angell St.
Irving Owen Hunt	<i>Providence</i>	Slater 8
Oliver Perry Hussey	<i>Nashua, N. H.</i>	Slater 18
Philip Clay Jack	<i>Gardiner, Me.</i>	University 54
Frank Alvord Jennings	<i>Auburn, N. Y.</i>	University 28
Francis Severance Johnson	<i>San Jose, Cal.</i>	12 Congdon St.
Nels Johnson	<i>Rumford</i>	Rumford
William Jones	<i>Worcester, Ms.</i>	Maxcy 433
Asa Edward Kelsey	<i>West'n Springs, Ill.</i>	Hope 13
James Manning Kent	<i>Putnam, Ct.</i>	Slater 15
William Franklin Koopman	<i>W. Roxbury, Ms.</i>	57 E. Manning St.
Nathan Whitm'n Littlefield Jr.	<i>Pawtucket</i>	Hope 48
Russell Crosby Lowell	<i>Providence</i>	78 Bellevue Ave.

NAME	RESIDENCE	ROOM
Harry Heman Mallory	<i>West Sp'ngfield, Pa.</i>	29 Benevolent St.
Antonio Mangano	<i>Hempstead, L. I.</i>	Hope 41
Richard Martin	<i>Johnston</i>	104 Whittier Ave.
Eugene Waterman Mason Jr.	<i>Providence</i>	149 Waterman St.
Joseph Jay McCaffrey	<i>Providence</i>	463 Atwell's Ave.
Andrew Jackson McConnico	<i>Vaiden, Miss.</i>	21 Brown St. 7
Frank Cowperthwait Millard	<i>Providence</i>	32 Custom Ho. St.
Harold Tredenick Miller	<i>Providence</i>	32 Baker Ave.
Frederic William Murphy	<i>Brockton, Ms.</i>	Hope 20
Nathaniel Leo Niles	<i>Providence</i>	Hope 2
Wilfred Benson Norris	<i>Somerset, Ms.</i>	39 Parkis Ave.
George Warren Parker	<i>Concord, N. H.</i>	University 34
Richard Roy Perkins	<i>Hornellsville, N. Y.</i>	University 48
Jesse Stetson Pevear	<i>Lynn, Ms.</i>	Maxcy 210
Thurston Mason Phetteplace	<i>Providence</i>	Hope 11
Freeman Putney Jr.	<i>Gloucester, Ms.</i>	88 Meeting St.
George Hervy Raymond	<i>Winchendon, Ms.</i>	Hope 26
Charles Cady Remington	<i>Providence</i>	Hope 8
Willis Brown Richardson	<i>Providence</i>	Maxcy 314
Frank Eddy Richmond 2d	<i>Providence</i>	Hope 7
Charles Gilbert Robinson	<i>Mansfield, Ms.</i>	Hope 1
Adam Franklin Ross	<i>Cortland, N. Y.</i>	Maxcy 427
John Davis Sage	<i>Cincinnati, O.</i>	Slater 7
Raymond Alfred Schwegler	<i>Buffalo, N. Y.</i>	Hope 3
Lion William Scudder	<i>E. Providence</i>	26 Sutton St.
Laurence Moss Shaw	<i>Oaklawn</i>	Hope 4
Albert Henry Sheffield	<i>Worcester, Ms.</i>	Hope 19
Fred Albert Simmons	<i>Adams, Ms.</i>	Hope 1
Charles Henry Smith Jr.	<i>Providence</i>	Hope 17
Rufus Albertson Soule Jr.	<i>New Bedford, Ms.</i>	University 40
Henry Butler Stearns	<i>Manchester, N. H.</i>	Hope 46
Edward Amos Stockwell	<i>Providence</i>	Hope 8
Ralph Ewing Storey	<i>McMinnville, Ore.</i>	Howell 3
George William Sutcliffe	<i>Worcester, Ms.</i>	Maxcy 433
Harrison Tarbell Swain	<i>Nashua, N. H.</i>	Hope 6
Charles McCallum Teague	<i>Warren, Me.</i>	Howell 3

NAME	RESIDENCE	ROOM.
Louis Albion Thomas	<i>Providence</i>	80 Benevolent St.
Edward Everett Thompson	<i>Fall River, Ms.</i>	21 Brown St. 11
Frederick Howard Tillinghast	<i>Providence</i>	University 19
John Barnes Tingley	<i>Gloucester, Ms.</i>	88 Meeting St.
George Burwell Utley	<i>Springfield, Ms.</i>	University 28
Fred Alvah Vose	<i>Woonsocket</i>	Slater 12
Charles Albert Walsh	<i>Providence</i>	293 Prairie Ave.
Raymer Balch Weeden	<i>Providence</i>	158 Waterman St.
Harry Arthur Weeks	<i>Manchester, N. H.</i>	134 Somerset St.
J. Ralph Wellman	<i>Lawrence, Ms.</i>	University 54
Nelson Allen Wood	<i>New Bedford, Ms.</i>	Hope 8
Frank Otis Woodruff	<i>Needham, Ms.</i>	21 Brown St. 12
William Watson Wyckoff	<i>Marshall's Cr'k, Pa.</i>	Hope 28

JUNIOR CLASS

NAME	RESIDENCE	ROOM
Luther Bentley Adams	<i>Providence</i>	29 Benevolent St.
Clifford Spence Anderson	<i>Providence</i>	Hope 30
Asa Warren Armington	<i>Newton Centre, Ms.</i>	Hope 40
Herbert Hamlin Armington	<i>Providence</i>	Hope 16
Willard Henry Bacon	<i>Bellows Falls, Vt.</i>	Messer 16
George Giles Bass	<i>Hyde Park, Ms.</i>	Hope 42
Gilbert Newton Batchelder	<i>Newfane, Vt.</i>	112 George St.
Fredrick Henry Bates	<i>Whitman, Ms.</i>	382 New York Ave.
Herman Melvin Blaisdell	<i>Bradford, N. H.</i>	University 17
Ernest Harriman Boynton	<i>Sewaren, N. J.</i>	Hope 43
Michael Shelly Brennan	<i>Valley Falls</i>	Valley Falls
Walter Alexander Briggs	<i>Ashaway</i>	Slater 12
Charles Wilson Brown	<i>Warren</i>	Warren
John Smith Brown Jr.	<i>Providence</i>	Hope 45
Ralph Norman Brown	<i>Providence</i>	8 Carr Court
Ralph Standish Bryden	<i>Fairhaven, Ms.</i>	University 41
Moncrieffe Cameron	<i>Providence</i>	145 East Ave.
Frank Walter Campbell	<i>Westm'nst'r West, Vt.</i>	41 Angell St
Harold Stearns Capron	<i>Providence</i>	Hope 3
John Mowry Capron	<i>Stillwater</i>	Slater 19
Geo. Washington Carpenter Jr.	<i>East Providence</i>	112 George St.
Herbert Edwards Brown Case	<i>Pawtucket</i>	Maxcy 211
Joseph Thomas Cashman	<i>Providence</i>	32 Cottage Row
John Lee Chapman Jr	<i>Central Village, Ct.</i>	136 Mitchell St.
James Wallace Chesbro	<i>Adams, Ms.</i>	Maxcy 431
Charles Wesley Clark	<i>Clarksdale, Miss.</i>	Slater 17
Edwin Schuyler Cobb	<i>Attleborough, Ms.</i>	Hope 10
Joseph Stearns Cole	<i>Morristown, N. J.</i>	Slater 6
John Steele Colwell	<i>Providence</i>	158 W. Clifford St.
George Saunders Cooper	<i>Providence</i>	90 Congdon St.

NAME	RESIDENCE	ROOM
Mendell Winthrop Crane	<i>Central Village, Ct.</i>	Hope 10
Herbert Richard Cross	<i>Providence</i>	Slater 12
Claude Burton Dakin	<i>New Berlin, N. Y.</i>	Hope 3
Walter Hayes Detmers	<i>Buffalo, N. Y.</i>	Hope 10
Roscoe Morton Dexter	<i>Central Falls</i>	Hope 25
Dana Fletcher Downing	<i>Haverhill, Ms.</i>	Hope 47
Joseph Warren Downs	<i>S. Waterboro, Me.</i>	University 51
Foster Robbins Dows	<i>Providence</i>	44 Benevolent St.
Frank Birch Easton	<i>Lakeport, N. H.</i>	117 George St.
Fred Tarbell Field	<i>N. Springfield, Vt.</i>	University 33
Austin Hervey Fittz	<i>Natick, Ms.</i>	Hope 16
William Dunlap Forbes	<i>Providence</i>	132 Jenkins St.
Albert Jonathan Frohock	<i>Central Falls</i>	Hope 16
Ernest Hubbell Gilbert	<i>Boston, Ms.</i>	Maxcy 205
James Bruce Gilman	<i>Lowell, Ms.</i>	University 52
Dwight Hubbell Hall	<i>Bridgeport, Ct.</i>	Maxcy 425
Henry Jewett Hall	<i>Providence</i>	40 Benevolent St.
Frank Thurston Hallett	<i>Providence</i>	283 George St.
Homer Warren Hanscom	<i>Haverhill, Ms.</i>	Hope 44
William Leonard Hill	<i>Warsaw, Ill.</i>	Hope 12
John Lawrence Hood	<i>Pawtucket</i>	University 51
Thomas Hope	<i>Augusta, Ga.</i>	Hope 45
Horace Mason Hovey	<i>Providence</i>	Maxcy 321
Daniel Howland	<i>Hope</i>	Slater 11
Ray Osgood Hughes	<i>Saxton's River, Vt.</i>	29 Benevolent St.
George Llewellyn Hunt	<i>Attleborough, Ms.</i>	Hope 10
Rolla Elijah Hunt	<i>Huntville, Vt.</i>	63 Angell St.
John Wesley Huse	<i>Laconia, N. H.</i>	Messer 16
Frederic Vinal Hussey	<i>Franklin, Ms.</i>	Slater 19
Hiram Cleveland Jenks	<i>Pawtucket</i>	Pawtucket
Melvin Clermont Johnson	<i>Virgil, N. Y.</i>	University 16
Myron Daniel Lapham	<i>Providence</i>	Hope 25
Waldo Gifford Leland	<i>New'nLw'rF'ls, Ms.</i>	Hope 30
Frederic Lent	<i>Oaklawn</i>	Oaklawn
Clarence Brown Lester	<i>Providence</i>	Hope 30
George Marsden	<i>New Bedford, Ms.</i>	New Bedford

NAME	RESIDENCE	ROOM
Harold Burnham Maryott	<i>Wickford</i>	Messer 2
Howard Harris Mason	<i>Providence</i>	Slater 11
Philip John McQuaid	<i>Providence</i>	31 Quaid St
Walter Howard Mitchell	<i>Winchendon, Ms.</i>	Hope 23
Charles Bartlett Moseley	<i>Needham, Ms.</i>	University 59
Norman Allen Moss	<i>Providence</i>	Hope 4
Harry Warren Mumford	<i>Starrucca, Pa.</i>	Hope 25
Clarence Elnathan Norris	<i>Worcester, Ms.</i>	University 59
Edward Arthur Northrop	<i>Field's Point</i>	405 Potter's Ave.
Arthur Edwin Norton	<i>Portland, Me.</i>	Messer 5
John Francis O'Gara	<i>Spencer, Ms.</i>	Maxcy 314
Lawrence Gilpin Painter	<i>Vale, Md.</i>	66 John St.
Frederic Charles Parker	<i>New York, N. Y.</i>	Howell 7
Leonard Merrick Patton	<i>Trenton, N. Y.</i>	Hope 2
Joseph Leishman Peacock	<i>Pawtucket</i>	Pawtucket
Maurice Vorhies Perkins	<i>Coffeyville, Ka.</i>	Slater 14
Arthur Llewellyn Perry	<i>Westerly</i>	Hope 10
Benjamin Obear Pillsbury	<i>Concord, N. H.</i>	Hope 21
George Irving Piper	<i>N. Parsonsfield, Me.</i>	41 Angell St.
Harry Kay Poole	<i>Taunton, Ms.</i>	63 Angell St.
Charles Huntington Porter	<i>Providence</i>	Hope 11
Henry Sheldon Pratt	<i>Lawrence, Ms.</i>	112 George St.
Arthur Osborn Pritchard	<i>Newport</i>	University 28
Lemuel Charles Raiford	<i>Baltimore, Md.</i>	Hebronville, Ms.
Lyman Alpheus Randall	<i>Leo, O.</i>	136 Brownell St.
Archibald Tennant Reoch	<i>Phenix</i>	Hope 6
Fordyce Thomas Reynolds	<i>Hadley, Ms.</i>	Hope 34
Charles Germane Richardson	<i>Morrisville, N. Y.</i>	University 48
Robert Cornelius Robinson	<i>Providence</i>	Hope 1
Charles Pickett Roundy	<i>Beverly, Ms.</i>	Hope 4
Albert Lyon Scott	<i>Winslow, Ark.</i>	Hope 43
Earl Augustine Smith	<i>Lowell, Ms.</i>	University 52
Charles Kirtland Stillman	<i>Mystic, Ct.</i>	University 60
Jesse Floyd Stinard	<i>Harford, N. Y.</i>	University 16
Ralph William Stoddard	<i>Brattleboro, Vt.</i>	112 George St.
Howard Arnold Swallow	<i>Danville, Ill.</i>	Hope 26

NAME	RESIDENCE	ROOM
Allan Remington Thatcher	<i>Middleboro, Ms.</i>	Slater 12
Nathan Albert Tufts	<i>Fitchburg, Ms.</i>	Hope 24
Michael Joseph Twomey	<i>Norwich, Ct.</i>	Maxcy 431
Arthur Wakefield	<i>Mount Pleasant, Pa.</i>	Maxcy 321
James Warren	<i>Providence</i>	168 Governor St.
Daniel Oscar Webster	<i>Franklin F'ls, N. H.</i>	Maxcy 205
Clinton Chase White	<i>Worcester, Ms.</i>	Hope 42
Ray Lester Whitney	<i>Winchendon, Ms.</i>	Hope 18
George Curtis Wing Jr.	<i>Auburn, Me.</i>	Slater 17
Howland Wood	<i>Providence</i>	Hope 7
Arthur Llewellyn Wright	<i>West Newton, Ms.</i>	112 George St.
John Albion Young	<i>Woonsocket</i>	Messer 2

SOPHOMORE CLASS

NAME	RESIDENCE	ROOM
Arthur Irving Andrews	<i>Providence</i>	6 Hammond St.
Willard Barber Atwell	<i>Hebronville, Ms.</i>	Hebronville
Orman Truesdell Babcock	<i>Norwich, N. Y.</i>	University 58
Charles Herbert Bennett	<i>New Bedford, Ms.</i>	38 Benevolent St.
William Swasey Blake	<i>Providence</i>	372 Blackstone St.
Howard Parker Blanchard	<i>Danvers, Ms.</i>	63 Angell St.
Earle Simons Pratt Bodurtha	<i>Agawam, Ms.</i>	38 Benevolent St.
William Charles Hugo Brand	<i>Providence</i>	347 Friendship St.
Charles Winchester Brooks	<i>Montgomery, N. Y.</i>	University 46
George Burdick	<i>Newport</i>	University 55
Florence William Burke	<i>Mittineague, Ms.</i>	Messer 9
James Boise Bush	<i>New Orleans, La.</i>	University 10
Ernest Palmer Carr	<i>Cortland, N. Y.</i>	Hope 31
Floyd Levern Carr	<i>Hornellsville, N. Y.</i>	21 Brown St. 12
Elmer Seymour Chace	<i>Providence</i>	Hope 30
Harrison Ayer Chase	<i>Brockton, Ms.</i>	Slater 20
Roy Elliott Clark	<i>Holyoke, Ms.</i>	Slater 5
William Lathrop Clark	<i>Rome, N. Y.</i>	Slater 5
Daniel Allen Clarke	<i>Fiskeville</i>	Hope 6
Arthur Ogden Clift	<i>Middleton Spr'gs, Vt.</i>	University 33
Howard Aldridge Coffin	<i>East Fairfield, Me.</i>	Hope 32
Abraham Cohen	<i>Providence</i>	12 Jenckes St.
Ernest Willard Crawley	<i>Warren</i>	Warren
Harvey Nathaniel Davis	<i>Providence</i>	Slater 5
Myron Powers Davis	<i>Brattleboro, Vt.</i>	Hope 32
Leo Alexander Dolan	<i>Attleborough, Ms.</i>	Attleborough
Charles Borromes Dugan	<i>Brinckerhoff, N. Y.</i>	Maxcy 427
Thomas Edward Dunn	<i>Winchendon, Ms.</i>	Maxcy 320
Ernest Arey Dyer	<i>Lowell, Ms.</i>	Hope 44
Charles Chester Eaton	<i>Brockton, Ms.</i>	Hope 36

NAME	RESIDENCE	ROOM
Harris Dickinson Eaton	<i>Calais, Me.</i>	Maxcy 432
John Boyden Eaton	<i>Calais, Me.</i>	Maxcy 432
Parke Erwin	<i>Malone, N. Y.</i>	30 Congdon St.
Edwin Bowen Evans	<i>Providence</i>	Hope 35
Henry Milne Fenner	<i>Fall River, Ms.</i>	Messer 7
Walter Louis Frost	<i>Providence</i>	233 Ohio Ave.
Edward Hawes Fuller	<i>Pawtucket</i>	Pawtucket
George Herbert Gilbert	<i>Providence</i>	1 Whittemore Place
Charles Herbert Gilmore	<i>Turners Falls, Ms.</i>	Slater 3
Frank Henry Gooding	<i>Central Falls</i>	Hope 16
Eben Colman Gould	<i>Leominster, Ms.</i>	University 57
John Packer Gray	<i>Mystic, Ct.</i>	Maxcy 211
Edwin Farnham Greene	<i>Newton Centre, Ms.</i>	Hope 39
Percival Bartlett Greene	<i>Germantown, Pa.</i>	Slater 4
Stephen Harold Greene	<i>Newton Centre, Ms.</i>	Hope 39
Edward Tudor Gross	<i>Providence</i>	Slater 4
Arthur Tucker Grosvenor	<i>Abington, Ct.</i>	Hope 15
Thacher Howland Guild	<i>Providence</i>	20 Pitman St
Ernest Granger Hapgood	<i>Bryantville, Ms</i>	University 31
Henry Clay Hart	<i>Eufaula, Ala.</i>	11 Adelphi Ave.
William Riggs Harvey	<i>Newport</i>	University 55
George Bradford Hayward	<i>Campello, Ms.</i>	32 Custom Ho. St.
Frank Parke Holman	<i>Stanfordville, N. Y.</i>	University 44
Charles Herbert Hough	<i>Woonsocket</i>	112 George St.
Charles Sherman Hoyt	<i>New York, N. Y.</i>	Slater 10
William Henry Hull	<i>Auburn</i>	University 57
William Carter Johnson	<i>Providence</i>	University 42
Harry Francis Kellogg	<i>Providence</i>	Hope 41
Thomas Henry Kenworthy	<i>Hampden, Ms.</i>	Hope 27
William Irvine King	<i>Uniontown, Pa.</i>	Hope 29
William Theodore Knoop	<i>Providence</i>	16 Holden St.
Thomas Francis Lawlor	<i>Valley Falls</i>	Valley Falls
Frank May Lawson	<i>Riverside</i>	Riverside
Edward Benedict Lederer	<i>Providence</i>	Maxcy 315
Michael John Linden	<i>Chicago, Ill.</i>	Howell 7
Herbert Colbath Low	<i>Brockton, Ms.</i>	Slater 3

NAME	RESIDENCE	ROOM
William Kinsley Low	<i>Providence</i>	Slater 13
Harold Lester Madison	<i>East Greenwich</i>	Hope 2
Daniel Joseph Maloney	<i>Woonsocket</i>	Maxcy 426
Berton Lewis Maxfield	<i>Franklin Falls, N. H.</i>	Messer 14
Ralph Augustus McDonald	<i>Greeley, Col.</i>	29 Benevolent St.
John Francis McEleney	<i>Riverside</i>	Riverside
William Charles McLaughlin	<i>Providence</i>	7 Amity St.
Stewart Baker McLeod	<i>Brockton, Ms.</i>	Hope 37
Jesse George Melendy	<i>Nashua, N. H.</i>	29 Benevolent St.
Max Merrill Miller	<i>Westfield, Vt.</i>	253 Federal St.
Vergil Stanley Millikin	<i>Providence</i>	143 Parade St.
Daniel Potter Myers	<i>Providence</i>	Maxcy 211
Allan Munro Newman	<i>Bristol</i>	Maxcy 320
Harry Eugene Nickless	<i>Woburn, Ms.</i>	Howell 5
Frank Allen Page	<i>Johnston</i>	Maxcy 431
Ernest Trowbridge Paine	<i>Central Falls</i>	Central Falls
Edwin Miles Pertilla	<i>Norwich, N. Y.</i>	Hope 45
Preston Hill Porcheron	<i>Brockton, Ms.</i>	Hope 48
Loring Hay Raymond	<i>Somerville, Ms.</i>	Hope 18
Charles Sheldon Read	<i>Anthony</i>	Hope 23
Alfred Henry Ricketts	<i>Providence</i>	Maxcy 431
David Robinson Jr.	<i>Pine Island, N. Y.</i>	Howell 9
Simon Henry Salomon	<i>Groveton, N. H.</i>	41 Angell St.
John Hendricken Slattery	<i>Providence</i>	Maxcy 207
Arthur Langford Slocum	<i>E. Providence</i>	Slater 6
Byron Lee Smith	<i>Oxford, N. Y.</i>	University 26
Roy Harmon Smith	<i>Crozet, Va.</i>	29 Benevolent St.
Walter Smith	<i>Lawrence, Ms.</i>	
Winthrop Morton Southworth	<i>Needham, Ms.</i>	University 30
Robert Wing Steere	<i>Providence</i>	84 Waterman St.
Claude Everett Stevens	<i>Nelson, Pa.</i>	64 Meeting St.
Thomas Henry Stevens	<i>Whamp't'n B'ch, N. Y.</i>	41 Angell St.
Henry Cleave Sullivan	<i>Portland, Me.</i>	Maxcy 201
Amos Levett Taylor	<i>Franklin Falls, N. H.</i>	Howell 1
George Allen Taylor	<i>Providence</i>	Hope 34
Frank Carroll Thompson	<i>Haverhill, Ms.</i>	66 Meeting St

NAME	RESIDENCE	ROOM
Frederick Harris Thurston	<i>Laconia, N. H.</i>	Slater 4
William James Tingle Jr.	<i>Port Chester, N. Y.</i>	Slater 10
Howard Hiram Tucker	<i>Lee, Ms.</i>	Hope 15
Charles Sampson Turner	<i>Providence</i>	Hope 33
Walter Ernest Tuthill	<i>Palmer, Ms.</i>	Hope 4
Edward David Tweedell	<i>Providence</i>	Hope 31
Halley Templeton Waller	<i>West Derby, Vt.</i>	Hope 32
John Herbert Ward	<i>Attleborough, Ms.</i>	Attleborough
Arthur Edward Warner	<i>Riverside</i>	21 Brown St. 13
Bertram Albert Warren	<i>Providence</i>	Hope 41
Libe Washburn	<i>Lyme, N. H.</i>	University 32
Harry Lee Watson	<i>Mt. Olive, N. J.</i>	Hope 25
George Everson Weeden Jr.	<i>Providence</i>	University 34
Frank Hiram Westlake	<i>Sacramento, Cal.</i>	University 19
Hunter Carson White Jr.	<i>Providence</i>	Hope 35
Winfred Holt Whiting	<i>Oakdale, Ms.</i>	Maxcy 317
Joseph Butler Whittemore	<i>Providence</i>	Hope 28
Frederic Darby Williams	<i>Valley Falls</i>	Hope 29
Ernest Townsend Williamson	<i>Tuckerton, N. J.</i>	29 Benevolent St.
Howard Oscar Winslow	<i>Providence</i>	68 Chapin Ave.
Alfred Robinson Winter	<i>Mansfield, Ms.</i>	Howell 5
Henry Joseph Winters	<i>Pawtucket</i>	Pawtucket
Harry Lovell Wood	<i>Providence</i>	60 Zone St.
Irving Levi Woodman	<i>Manchester, N. H.</i>	80 Benévolent St.
Arthur Crawford Wyman	<i>Central Falls</i>	Slater 4
George Henry Young	<i>Springfield, Ms.</i>	48 Robinson St.

FRESHMAN CLASS

NAME	RESIDENCE	ROOM
Myron Jay Abbey	<i>Dansville, N. Y.</i>	29 Benevolent St.
Elton Merville Adye	<i>Forestville, N. Y.</i>	29 Benevolent St.
Edward Kimball Aldrich Jr.	<i>Providence</i>	Maxcy 324
Burchard Benjamin Alexander	<i>Boston, Ms.</i>	Maxcy 319
William Walter Andrew	<i>Providence</i>	Maxcy 321
William Pearl Arnold	<i>Providence</i>	University 48
Christopher Astle	<i>Providence</i>	897 Broad St.
Ernest Preston Brown Atwood	<i>Providence</i>	Hope 5
Charles Raymond Austin	<i>Providence</i>	Hope 27
Samuel Belden Babcock	<i>East Providence</i>	21 Brown St. 13
Samuel Harding Bailey Jr.	<i>Providence</i>	181 Adelaide Av.
Ernest Clinton Baker	<i>Auburn</i>	University 46
William Henry Ballou	<i>Providence</i>	Hope 31
Robert John Barker	<i>Providence</i>	Hope 33
Williston Wright Barker	<i>Newport</i>	Maxcy 435
James William Barry	<i>Springfield, Ms.</i>	Maxcy 316
John Palmer Barstow	<i>Providence</i>	Slater 8
LeRoy Bartlett	<i>Providence</i>	103 So. Angell St.
William Penn Bates	<i>Providence</i>	141 Benefit St.
Edward Lewis Bayliss	<i>Cambridge, Ms.</i>	21 Brown St. 6
Arthur Bruce Bennett	<i>Westfield, Ms.</i>	66 Meeting St.
Hartzell Russell Birch	<i>Olneyville</i>	Olneyville
William Cornell Blanding	<i>Providence</i>	University 21
Morris Albert Bolton	<i>New London, Ct.</i>	21 Brown St. 6
James Leonard Booth	<i>Pawtucket</i>	36 School St.
Victor Bouthillier	<i>Laprairie, Ca.</i>	29 Benevolent St.
Robert Lawton Bowen	<i>Providence</i>	University 34
Julius Walter Boyden	<i>Providence</i>	40 Jenkins St.
Edward Barnum Bradley	<i>Lime Rock, Ct.</i>	Messer 12
Howard Denison Briggs	<i>Ashaway</i>	Slater 12

NAME	RESIDENCE	ROOM
Edward Jarvis Cushing Bullock	<i>Warren</i>	University 57
James Cunliffe Bullock	<i>Worcester, Ms.</i>	Maxcy 436
Walter Roberts Bullock	<i>Pawtucket</i>	University 51
Henry Langworthy Burdick	<i>Westerly</i>	University 43
Thomas Burgess	<i>St. Albans, Vt.</i>	Slater 9
Eugene Dennis Burns	<i>No. Brookfield, Ms.</i>	Maxcy 212
Gonzalo Edward Buxton Jr.	<i>Providence</i>	Hope 11
Harold Granville Calder	<i>Providence</i>	22 Whitmarsh St.
Charles Blanchard Carter	<i>Auburn, Me.</i>	Slater 14
Philip Caswell	<i>Newport</i>	Maxcy 434
Henry Howard Cawthorne	<i>Leominster, Ms.</i>	29 Benevolent St.
Harold Earl Chace	<i>East Providence</i>	22 Prospect St.
Alfred Griswold Chaffee	<i>East Prov. Centre</i>	Maxcy 434
Thomas Carpenter Chaffee	<i>East Providence</i>	E. Providence
William Rose Champlin	<i>Providence</i>	Hope 41
Harry Smith Clark	<i>North Andover, Ms.</i>	Maxcy 319
Erastus Weeden Clarke	<i>Providence</i>	Hope 22
Louis Vincent Clarke	<i>Pawtucket</i>	81 Pine St.
Clarence Albert Coates	<i>Providence</i>	Hope 32
Bernard Cohen	<i>Providence</i>	12 Jenckes St.
Samuel Cohen	<i>Pawtucket</i>	66 Summit St.
Charles Bernard Coppin	<i>Palmyra, N. Y.</i>	21 Brown St. 10
Abel Rathbone Corbin	<i>Oxford, N. Y.</i>	Messer 10
Edward Pitman Corey	<i>Providence</i>	Maxcy 313
Michael Francis Costello Jr.	<i>Pawtucket</i>	376 Weeden St.
Frederick Phillips Craig	<i>Newburg, N. Y.</i>	Slater 6
Albert Henry Cushman	<i>Providence</i>	Slater 7
Windsor Pratt Daggett	<i>Auburn, Me.</i>	Messer 8
Wm. Robert Parkhouse Davey	<i>Providence</i>	245 Cranston St.
Lyons Fraser Hill Delaney	<i>Pawtucket</i>	Maxcy 321
Edward James Devine	<i>Portland, Me.</i>	Maxcy 201
Anthony Hamilton Dexter	<i>Pawtucket</i>	18 Church St.
Samuel Noyes Douglas	<i>Providence</i>	University 57
Edwin Lewis Drowne	<i>Dorchester, Ms.</i>	183 Pearl St.
Frederick Peabody Drowne	<i>Providence</i>	Slater 16
Leon Arthur Drury	<i>Fitchburg, Ms.</i>	Hope 37

NAME	RESIDENCE	ROOM
Lucian Lorimer Drury	<i>Bellingham, Ms.</i>	38 Benevolent St.
Arthur Dean Dudley	<i>Concord, N. H.</i>	Hope 21
Frederick John Durfee	<i>Providence</i>	5 Richmond Sq.
Irving Judson Enslin	<i>East Somerville, Ms.</i>	21 Brown St. 11
William Robinson Evans	<i>Haverhill, Ms.</i>	Maxcy 324
Frank Ernest Fash	<i>Fall River, Ms.</i>	253 Federal St.
William Chauncey Foster	<i>Providence</i>	Maxcy 316
Andrew Little Fraser	<i>Lowell, Ms.</i>	Maxcy 426
Reuben Franklin Friedel	<i>Viola, Del.</i>	21 Brown St. 13
Frederick Henry Gabbi	<i>Providence</i>	Maxcy 427
Arthur Simeon Gaylord	<i>So. Hadley Falls, Ms.</i>	University 53
Robert Nathan Gee	<i>Arkwright</i>	Maxcy 434
Clarence Curtis Gleason	<i>Lonsdale</i>	22 Barnes St.
Henderson Weir Goldsborough	<i>Monroe, Ct.</i>	Slater 11
Henry Wilson Goodrich	<i>Hopkinton, N. H.</i>	29 Benevolent St.
Bruce Henry Green	<i>Charleston, S. C.</i>	125 Cushing St.
Crawford Richmond Green	<i>Troy, N. Y.</i>	Slater 14
Allen Greene	<i>Providence</i>	Hope 27
Frederick William Greene Jr.	<i>Newport</i>	281 Benefit St.
Francis Daniel Gulliver	<i>Portland, Me.</i>	Maxcy 212
Torrey Gund	<i>Freeport, Ill.</i>	Maxcy 318
Fred Wesley Calvin Handy	<i>Chicopee Falls, Ms.</i>	29 Benevolent St.
William Choate Hardy	<i>Fitchburg, Ms.</i>	Hope 37
Henry Joseph Hart	<i>Lynn, Ms.</i>	University 12
Charles Raymond Haslam	<i>Providence</i>	29 Helme St.
William James Henry	<i>Southbridge, Ms.</i>	40 Benevolent St.
Fred Alden Hersom	<i>Somersworth, N. H.</i>	80 Benevolent St.
William Austin Hill	<i>Arlington, Ms.</i>	University 34
Jeremiah Holmes	<i>Mystic, Ct.</i>	38 Benevolent St.
Charles Herbert Holt	<i>Providence</i>	University 46
Frank George Hood	<i>Saginaw W.S. Mich.</i>	Slater 6
Raymond Mathewson Hood	<i>Pawtucket</i>	University 51
Albert Wesley Hopkins	<i>Olneyville</i>	Olneyville
Everett Jarvis Horton	<i>Providence</i>	Maxcy 426
Emmett House	<i>Arkport, N. Y.</i>	Slater 20
Daniel S. Howard Jr.	<i>Brockton, Ms.</i>	Hope 12

NAME	RESIDENCE	ROOM
James Sturgis Howes	<i>Woods Hole, Ms.</i>	Woods Hole
Stephen Foster Hunt	<i>Providence</i>	244 Bowen St.
Joseph Waite Ince	<i>Lonsdale</i>	Maxcy 427
George Milo Innis	<i>Shelburne Falls, Me.</i>	Messer 8
Eugene Bailey Jackson	<i>Woonsocket</i>	University 21
George Clinton Jeffery Jr.	<i>Brooklyn, N. Y.</i>	University 58
Horace Samuel Johnson	<i>Boston, Ms.</i>	Maxcy 429
Joseph Johnson	<i>Providence</i>	33 Plenty St.
Edward Kendall	<i>Boston, Ms.</i>	Maxcy 429
Harold Denison Kenyon	<i>Westerly</i>	Hope 10
Howard Henderson King	<i>Uniontown, Pa.</i>	Hope 29
Stephen Dexter Knowles	<i>Providence</i>	Hope 36
Ray Forrest Knowlton	<i>Sutton, N. H.</i>	University 32
Norton Jude Lamson	<i>Pierrep't Ma'r, N. Y.</i>	29 Benevolent St.
William Larchar Jr.	<i>Warwick</i>	University 25
Alexander Joseph Larkin	<i>Ansonia, Ct.</i>	University 16
James Francis Lavander	<i>Bristol</i>	Bristol
George Albert Lawry	<i>Rock Island, Me.</i>	Messer 3
Harry Clifford Leach	<i>Rock Island, Me.</i>	Messer 3
James William Leech	<i>Providence</i>	University 48
Robert Herman Lear	<i>No. Leominster, Ms.</i>	23 Howell St.
Erwin Harvey Learned	<i>Malone, N. Y.</i>	30 Congdon St.
Charles Leonard	<i>Cohansey, N. J.</i>	38 Benevolent St.
Donald LeStage	<i>No. Adams, Ms.</i>	Slater 20
Kirke Porter Lincoln	<i>Pittsburgh, Pa.</i>	132 Angell St.
James Bancroft Littlefield	<i>Providence</i>	98 Prospect St.
Irvin Jacob Schwarz Loeb	<i>Providence</i>	University 45
Irving Ellis Mabry	<i>East Hiram, Me.</i>	29 Benevolent St.
Harold Austin Mackinney	<i>Providence</i>	University 25
Joseph Ferdinand Malmstead	<i>Providence</i>	112 George St.
Earl Northrup Manchester	<i>Factoryville, Pa.</i>	41 Angell St.
Walter Estes McGowan	<i>Worcester, Ms.</i>	Maxcy 436
Paul Emerson Mead	<i>Falls Village, Ct.</i>	Messer 12
Elmer Daniel Meserve	<i>Kennebunkport, Me.</i>	Howell 6
Henry Knight Metcalf	<i>Providence</i>	Slater 7
Lewis Stanley Milner	<i>Moosup, Ct.</i>	University 50

NAME	RESIDENCE	ROOM
Samuel Moffat	<i>River Point</i>	Hope 33
William Benjamin Moss	<i>Providence</i>	53 America St.
Joseph Tyler Mowry	<i>Oneco, Ct.</i>	309 Ohio Ave.
William Francis Mussey	<i>Rutland, Vt.</i>	Maxcy 203
Danforth Livermore Nash	<i>Augusta, Me.</i>	41 Angell St.
Walter Elijah Newcomb	<i>Windham, N. Y.</i>	29 Benevolent St.
Harold Weeden Nichols	<i>Providence</i>	Maxcy 426
Lester Willis Nickerson	<i>Brockton, Ms.</i>	21 Brown St. 10
Harry Yorke Norwood	<i>Allegany, N. Y.</i>	Hope 43
William Francis O'Brien	<i>Pawtucket</i>	211 So. Bend St.
John Domenic O'Reilly	<i>Boston, Ms.</i>	Maxcy 204
Peter Miles O'Reilly	<i>Providence</i>	326 Public St.
Blaine Owen	<i>Augusta, Me.</i>	41 Angell St.
George Frederic Paddock	<i>Providence</i>	63 Governor St.
Wesley Arthur Paige	<i>Franklin Falls, N.H.</i>	Howell
Harry Merton Paine	<i>Providence</i>	127 Messer St.
Charles Townsend Palmer	<i>New London, Ct.</i>	Maxcy 322
William Everett Parker	<i>West Arlington</i>	Maxcy 204
Alonzo Truman Patterson	<i>East Providence</i>	East Providence
Lorraine Terry Peck	<i>Bristol, Ct.</i>	29 Benevolent St.
Theodore Frederick Pevear	<i>Lynn, Ms.</i>	Maxcy 210
Charles Abbott Phillips	<i>Danielson, Ct.</i>	Slater 14
Maurice Bowman Phipps	<i>Chelsea, Ms.</i>	Maxcy 208
Halbert Edmund Pierce	<i>Fitchburg, Ms.</i>	Maxcy 320
Robinson Pierce Jr.	<i>Providence</i>	Hope 14
Arthur Wellington Pinkham	<i>Lynn, Ms.</i>	University 43
Thomas Edmund Burt Pope	<i>Providence</i>	20 Hawthorne St.
Alfred Knight Potter	<i>Providence</i>	University 21
Everett Clifford Potter	<i>Auburn</i>	Hope 33
Charles Arthur Powers	<i>So. Gardner, Ms.</i>	Howell 8
George Moses Purver	<i>Providence</i>	208 Charles St.
Walter Knight Putney	<i>Gloucester, Ms.</i>	88 Meeting St.
Everett Duncan Ramsden	<i>Warren</i>	Hope 13
Chas. Addison Richardson Ray	<i>Franklin, Ms.</i>	Slater 17
Lewis Stillman Record	<i>Worcester, Ms.</i>	29 Benevolent St.
Charles Arnold Reese	<i>Newton Highlands, Ms.</i>	Hope 40

NAME	RESIDENCE	ROOM
William Jarvis Renne	<i>Calais, Me.</i>	Hope 38
Walter Myrick Richardson	<i>Leominster, Ms.</i>	29 Benevolent St.
Russell William Richmond	<i>East Providence</i>	29 Benevolent St.
Joseph Frances Russell	<i>Adams, Ms.</i>	38 Benevolent St.
Morton Emery Sanborn	<i>Manchester, N. H.</i>	Messer 10
Albert Langworthy Saunders	<i>Westerly</i>	Hope 14
Walter Stanley Seamans Jr.	<i>North Providence</i>	Hope 26
Albert Draper Shaw	<i>Palmer, Ms.</i>	University 44
Richard Thomas Shea	<i>Fitchburg, Ms.</i>	Messer 11
Timothy Joseph Sheehan	<i>Fitchburg, Ms.</i>	Messer 11
Edward Frederick Sherlock	<i>Boston, Ms.</i>	Maxcy 204
Philip Darrell Sherman	<i>Pawtucket</i>	Hope 24
Harry Benjamin Shuman	<i>Providence</i>	Maxcy 315
Charles Perley Smith	<i>Charlestown, Ms.</i>	80 Benevolent St.
Erwin Kelsey Smith	<i>Hartford, Ct.</i>	Howell 4
Robert Ordway Smith	<i>Providence</i>	599 Broad St.
Irving Southworth	<i>Needham, Ms.</i>	University 30
Arthur Steere	<i>Providence</i>	38 Benevolent St.
Bradford Earl Stephens	<i>Hornellsville, N. Y.</i>	127 Angell St.
Henry William Stiness	<i>Providence</i>	University 12
Frederic Daniel Sullivan	<i>Providence</i>	Maxcy 212
Walter Leslie Tandy	<i>Gardner, Ms.</i>	Howell 8
Julius Arthur Tellier	<i>Groton, Vt.</i>	Messer 15
Charles Arthur Tetrault	<i>Southbridge, Ms.</i>	Central Falls
Edgar Hayward Thompson	<i>Brockton, Ms.</i>	Hope 20
Ralph Cameron Thompson	<i>Portland, Me.</i>	112 George St.
Frederick Wheaton Tillinghast	<i>Pawtucket</i>	Hope 24
Oliver Clinton Trees	<i>Lawrence, Ms.</i>	University 45
Lennox Gresham Walling	<i>Harrisville</i>	Maxcy 206
Willard Garfield Ward	<i>Providence</i>	Hope 23
Charles Perkins Webber	<i>Wakefield, Ms.</i>	Messer 15
Niles Westcott	<i>Oak Lawn</i>	Oak Lawn
Frank Walter Wheeler	<i>Wakefield, Ms.</i>	Howell 4
Howard Joseph White	<i>Providence</i>	112 George St.
Everett Thomas Whitford	<i>Pawtucket</i>	15 Cypress St.
William Tourtellot Wilder	<i>Olneyville</i>	Oineyville

Clinton Nickerson Williams	<i>Providence</i>	Hope 38
Edward Brown Williams	<i>Providence</i>	University 19
Warren Lyle Wilmarth	<i>Central Falls</i>	Hope 29
Rowland Henry Wilson	<i>Providence</i>	University 31
Walter Hastings Woods	<i>Providence</i>	65 Cypress St.
Albert Leverett Woodworth	<i>Providence</i>	Maxcy 320

SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
Henry Duncan Bailey	<i>Carolina</i>	Hope 17
Edward Rathbone Bancroft	<i>Providence</i>	311 Angell St.
George Milton Bardsley	<i>Fitchburg, Ms.</i>	Maxcy 211
Andrew Marcy Bartholemew	<i>Southbridge, Ms.</i>	University 21
Charles Laurence Beach	<i>Providence</i>	23 Chapin Ave.
Richard LeBaron Bowen	<i>Rumford</i>	Rumford
John Earle Brown	<i>Woonsocket</i>	University 31
Charles Edmund Bryant	<i>Brookfield, N. Y.</i>	Hope 6
Henry David Butterworth	<i>Attleborough, Ms.</i>	Attleborough
Dennis Francis Carey	<i>Worcester, Ms.</i>	Messer 9
Richard Merwin Cogan	<i>Orange, N. J.</i>	Hope 31
Richard William Comstock Jr.	<i>Providence</i>	University 18
Albert Linwood Copeland	<i>Thomaston, Me.</i>	41 Angell St.
Alton Kalloch Curtis	<i>Damariscotta, Me.</i>	214 Williams St.
Jacob David	<i>Seir Urmia, Persia</i>	29 Benevolent St.
Philip DeWolf	<i>Bristol</i>	Bristol
Peter Terence Dolan	<i>Worcester, Ms.</i>	Messer 1
Leland Leslie Eaton	<i>Bradford, N. H.</i>	University 13
Max Simon Feiler	<i>Providence</i>	28 Robinson St.
Myron Charles Fish	<i>Pawtucket</i>	Hope 18
Clarence Whittemore Flaggs	<i>Woonsocket</i>	Woonsocket
William Joseph Francis	<i>Johnston</i>	Johnston
Owen Francis Gallagher	<i>Providence</i>	206 Oxford St.
Frederick Arthur Galvin	<i>Spencer, Ms.</i>	Maxcy 207
Thomas Leo Gorman	<i>Central Falls</i>	University 16
Howard Ernest Greene	<i>Providence</i>	University 25
Harry Leslie Greene	<i>Providence</i>	University 25
David Conroy Hall	<i>Wollaston, Ms.</i>	Hope 41
Charles Hargrove	<i>Charlestown, Ms.</i>	10 Brown St.
William Thomas Jackson	<i>Pawtucket</i>	Pawtucket

NAME	RESIDENCE	ROOM
Lucian Fenner Kimball	<i>Providence</i>	Hope 26
Henry Dyer Knight	<i>Providence</i>	University 21
Allen Kramer Krause	<i>Lebanon, Pa.</i>	Howell 2
John Lewis Lonergan	<i>Warren</i>	Warren
Charles Peter Lynch	<i>Providence</i>	Hope 28
Robert Kerr Lyons	<i>W. Ham'ton B., N. Y.</i>	University 10
Manuel Franklin Mason Jr.	<i>Springfield, Ms.</i>	140 Coddling St.
Harold Lee McAuslan	<i>Providence</i>	Slater 2
Joseph Francis John McCarthy	<i>Providence</i>	248 Charles St.
Harry Sumner McCreedy	<i>Providence</i>	36 Pratt St.
James Duncan McLeod	<i>Providence</i>	Hope 34
William Harvey Merwin	<i>Milford, Ct.</i>	Maxcy 203
Henry Natsch	<i>Brooklyn, N. Y.</i>	38 Benevolent St.
John Ferdinand Oderman	<i>Providence</i>	287 Admiral St.
John Benedict O'Donnell	<i>Providence</i>	285 Public St.
Louis Curtis Parsons	<i>Oxford, N. Y.</i>	University 26
James Lyle Peden	<i>Woonsocket</i>	Maxcy 206
Emmanuel George Psaki	<i>Athens, Greece</i>	12 Congdon St.
Paul Emil Rauschenbach	<i>Paterson, N. J.</i>	368 Benefit St.
John Henry Russell	<i>Providence</i>	90 Penn St.
Otis White Sedgwick	<i>Bondsville, Ms.</i>	University 45
John Henry Fletcher Smith	<i>Central Falls</i>	Central Falls
David Edmund Truesdell	<i>Suncook, N. H.</i>	University 27
Thomas Adams Waldo	<i>Kansas City, Mo.</i>	Maxcy 316
Alan Rattray Wheeler	<i>Concord, Ms.</i>	Hope 7
Clarence Field Woodworth	<i>Providence</i>	5 Rhode Island Ave.
John Winfred Young	<i>Asheville, N. C.</i>	University 27
Louis Everett Young	<i>Woonsocket</i>	Maxcy 206

WOMEN'S COLLEGE

SENIOR CLASS

NAME	RESIDENCE	ROOM
Florence Bartlett	<i>Providence</i>	32 Benevolent St.
Henrietta Griswold Benson	<i>Providence</i>	123 Chester Ave.
Caroline Louise Briggs	<i>Attleborough, Ms.</i>	Attleborough
Harriet Irving Brooks	<i>Providence</i>	137 Grove St.
Alverda Laura Brown	<i>Providence</i>	57 Killingly St.
Sarah Elecia Bunnell	<i>Bristol, Ct.</i>	325 Gano St.
Myra Hibbard Butler	<i>Woodsville, N. H.</i>	87 Congdon St.
Julia Marguerite Cawley	<i>East Providence</i>	East Providence
Agnes Elizabeth Clark	<i>Providence</i>	121 Pleasant St.
Sarah Hale Colvin	<i>Riverpoint</i>	Riverpoint
Eva Elise Curtiss	<i>Bristol, Ct.</i>	325 Gano St.
Adelaide Augusta Esten	<i>Providence</i>	14 Barnes St.
Lillian Estelle Everett	<i>Providence</i>	36 Locust St.
Ida May Fiske	<i>Providence</i>	32 Carleton St.
Anna Liguoria Gray	<i>Providence</i>	120 Broad St.
Elizabeth Wickes Gardiner	<i>Providence</i>	22 Barnes St.
Evelyn Olive Johnson	<i>East Providence</i>	East Providence
Winnifred Belle King	<i>Winsted, Ct.</i>	325 Gano St.
Anne May Larry	<i>Providence</i>	169 Congdon St.
Hattie Lusannah Latham	<i>Providence</i>	87 Weybosset St.
Mary Beecher Leonard	<i>Providence</i>	156 Broad St.
Mary Ann McQuaid	<i>Providence</i>	31 Quaid St.
Lillian Gertrude McQuillin	<i>Pawtucket</i>	87 Central Ave.
Gertrude Edna Millard	<i>Providence</i>	123 Lester St.
Josie Star Miner	<i>East Providence</i>	East Providence
Susie Brigham Morse	<i>Attleborough, Ms.</i>	Attleborough
Mary Abby Frink Randall	<i>Providence</i>	83 Beaufort St.

NAME	RESIDENCE	ROOM
Sarah Louise Simmons	<i>Providence</i>	74 Armstrong Ave.
Alice Maude Tallman	<i>Fairhaven, Ms.</i>	87 Congdon St.
Clara Belden Tingley	<i>Gloucester, Ms.</i>	87 Congdon St.
Bertha Tucker	<i>Pawtucket</i>	Pawtucket
Harriet Barrows Utter	<i>Providence</i>	172 Pleasant St.
Mary Greene Wilbur	<i>Providence</i>	266 Broad St.
Annie Louise Williams	<i>Brattleboro, Vt.</i>	79 Almy St.

JUNIOR CLASS

Alice May Ballou	<i>Providence</i>	61 Congdon St.
Clare Reynolds Bass	<i>Windham, Ct.</i>	12 Providence St.
Ruth Edna Batchelder	<i>Centerville</i>	Centerville
Helen Louise Bliss	<i>East Providence</i>	19 College St.
Anna Carrique Buffinton	<i>Providence</i>	157 Vinton St.
Emily Estelle Campbell	<i>Providence</i>	221 Pavilion Ave.
Lydia Gardiner Chace	<i>Providence</i>	129 Benefit St.
Edith Ray Clapp	<i>Providence</i>	133 Smith St.
Mabel Ingraham Cobb	<i>Attleborough, Ms.</i>	Attleborough
Daisy Frances Coulters	<i>Arlington</i>	Arlington
Lucy Evangeline Cyr	<i>Providence</i>	22 Arch St.
Edith Dolly Davison	<i>Pawtucket</i>	41 Summer St.
Emeline Eddy Fitz	<i>Harrisville</i>	227 Doyle Ave.
Helen Louise Given	<i>Auburn</i>	Auburn
Pearl Belle Grant	<i>Providence</i>	40 Providence St.
Mary Louise Gregory	<i>Providence</i>	Broadway
Beulah May Hahn	<i>Providence</i>	75 Cranston St.
Mary Prentiss Hill	<i>Rumford</i>	Rumford
Mabel Snow Levalley	<i>Providence</i>	124 Wesleyan Ave.
Loretta Ludwig	<i>Providence</i>	167 Prairie Ave.
Susan Gertrude Mackie	<i>Providence</i>	43 Woonasquatucket Ave.
Minnie Catherine Mahy	<i>Providence</i>	Fourth St.
Adrienne Mathews	<i>Providence</i>	131 Ocean St.
Josephine Martha Scholfield	<i>Providence</i>	425 Public St.
Susan Robbins Scott	<i>East Providence</i>	East Providence
Florence Carter Seagrave	<i>Slatersville</i>	47 Camp St.
George Lillian Smith	<i>Providence</i>	25 Lenox Ave.

NAME	RESIDENCE	ROOM
Mary Randall Stark	<i>Providence</i>	41 Chapin Ave.
Helena Russell Stewart	<i>Wollaston, Ms.</i>	30 Congdon St.
Lura Cooper Stone	<i>Pawtucket</i>	Pawtucket
Eulalia Jeannette Towne	<i>Howard</i>	Howard
Edna Isabel Warner	<i>Bristol, Ct.</i>	114 Taber Ave.
Helen Bowen Waterman	<i>Providence</i>	70 Cady Ave.
Martha Wilbur Watt	<i>Providence</i>	207 Atlantic Ave.
Ethel Gertrude Westcott	<i>Providence</i>	66 Wood St.
Mabel Gardner White	<i>Providence</i>	114 Messer St.
Nettie Estella White	<i>Arlington</i>	Arlington
Inez Luanne Whipple	<i>Diamond Hill</i>	Diamond Hill

SOPHOMORE CLASS

Ruth Appleton	<i>Providence</i>	209 Angell St.
Grace Ethel Balcolm	<i>Attleborough, Ms.</i>	Attleborough
Minnie Leora Bartlett	<i>Providence</i>	182 Broadway
Lilla Rogers Birge	<i>Providence</i>	50 Jenkins St.
Mabel Jennie Bowe	<i>Providence</i>	149 East Ave.
Adelaide Kimball Burton	<i>Providence</i>	85 Waterman St.
Beulah Butler	<i>Woodsville, N. H.</i>	87 Congdon St.
Alice Cary Devereux	<i>Manton</i>	Manton
Louella Dennis Fifield	<i>Pawtucket</i>	27 Kossuth St.
Abby Eddy Fiske	<i>Providence</i>	600 Broad St.
Louise Conant Gamwell	<i>Providence</i>	10 Wesleyan Ave.
Saida Newton Hallett	<i>Providence</i>	283 George St.
Marian Harvie	<i>Providence</i>	42 Angell St.
Grace June Jones	<i>Philadelphia, Pa.</i>	325 Gano St.
Mary Alida Orswel	<i>Providence</i>	28 Mt. Vernon St
Genevieve Partridge	<i>Woonsocket</i>	Woonsocket
Edythe Grace Peck	<i>Providence</i>	45 Chapin Ave.
Bertha Teresa Pinkham	<i>Cleveland, O.</i>	122 Fountain St.
Mary Florence Rafter	<i>Damariscotta, Me.</i>	325 Gano St.
Mabel Agnes Ray	<i>East Providence</i>	East Providence
Annie Mabel Smith	<i>Providence</i>	79 Almy St.
Candace Allen Smith	<i>Providence</i>	47 Jenkins St.
Lura May Thomas	<i>Attleborough, Ms.</i>	Attleborough

NAME	RESIDENCE	ROOM
Alice Louise Ward	<i>Providence</i>	27 Larch St.
Jessie Louise Wheeler	<i>Saxton's River, Vt.</i>	122 Fountain St.

FRESHMAN CLASS

Ruth Stiles Allen	<i>Providence</i>	76 Pitman St.
Sara Catherine Brainard	<i>Providence</i>	134 Bridgham St.
Eliza Ethel Bruce	<i>Bath, Me.</i>	26 Valley St.
Mary Edna Budlong	<i>Providence</i>	88 Chapin Ave.
Musetta Frances Budlong	<i>Providence</i>	88 Chapin Ave.
Emma May Canfield	<i>Ashton</i>	Ashton
Maude Evelyn Clarke	<i>Newport</i>	42 Angell St.
Amy Jenckes Cook	<i>Woonsocket</i>	Woonsocket
Alice May Cushing	<i>Providence</i>	5 Franklin St.
Nellie Maude Dauphinee	<i>Providence</i>	186 Ohio Ave.
Carrie Mabel Dexter	<i>Wardsboro' Cen., Vt.</i>	176 Medway St.
Bertha May Fairweather	<i>Berkeley</i>	Berkeley
Katherine Philomena Fanning	<i>Providence</i>	723 Harris Ave.
Grace Deborah Gallup	<i>Woonsocket</i>	122 Fountain St.
Lillian May Gamwell	<i>Providence</i>	73 Taber Ave.
Abbie Sweetland Ghodey	<i>Providence</i>	110 Wilson St.
Edith May Goff	<i>East Providence</i>	East Providence
Margaret Noble Goodwin	<i>Harwinton, Ct.</i>	87 Congdon St.
Esther Dora Griswold	<i>Providence</i>	28 Oak St.
Mary Louise Hays	<i>Westfield, Ms.</i>	205 Waterman St.
Leonora Hill	<i>Providence</i>	221 Broad St.
Gertrude Weisl Lederer	<i>Providence</i>	310 Elmwood Ave.
Mary Child Lee	<i>Providence</i>	92 Bellevue Ave.
Millicent Rawson Leete	<i>Pawtucket</i>	33 Main St.
Katharine Frances Littlefield	<i>Providence</i>	98 Prospect St.
Ella Baxter McCaffrey	<i>Providence</i>	61 Congdon St.
Isabel Sawyer McKenzie	<i>Providence</i>	349 Eaton St.
Myrtis Alida Millikin	<i>Providence</i>	143 Parade St.
Daza Page Mowry	<i>Providence</i>	7 Barnes St.
Nellie Florence Munroe	<i>East Providence</i>	East Providence
Ella Artemisia Pollard	<i>Attleborough, Ms.</i>	Attleborough

NAME	RESIDENCE	ROOM
Emma Grace Osler	<i>Providence</i>	241 Rhodes St.
Alice Maud Paul	<i>Bellingham, Ms.</i>	130 Förd St.
Grace Pierce	<i>Providence</i>	72 Broad St.
Marguerite McLean Reid	<i>Providence</i>	321 Blackstone St.
Ada Rogers	<i>Pawtucket</i>	50 Clyde St.
Margaret Roys	<i>Uxbridge, Ms.</i>	26 Alumni Ave.
Helen Macomber Sherman	<i>Providence</i>	45 Elmwood Ave.
Bertha Northup Smith	<i>Olneyville</i>	136 Dyer Ave.
Cora Annie Sutton	<i>East Providence</i>	East Providence
Ida Maude Warren	<i>Providence</i>	13 Smithfield Ave.
Ellen Sefton Waterman	<i>Olneyville</i>	Silver Lake Ave.
Marion Edwina Withee	<i>Houlton, Me.</i>	325 Gano St.

SELECT COURSE

Elizabeth Allen	<i>Bethlehem, Pa.</i>	Bristol
Theodora Greene Bowen	<i>Providence</i>	27 Sycamore St.
Frances Estelle Brainard	<i>Boston, Ms.</i>	134 Bridgham St.
Florence Brandenburg	<i>Providence</i>	15 Keene St.
Anna Warren Braley	<i>New Bedford, Ms.</i>	New Bedford
Sara Cleveland Clapp	<i>Providence</i>	133 Smith St.
Ella Frances Cory	<i>Providence</i>	51 Arch St.
Lucy Etta Gannon	<i>Providence</i>	649 Harris Ave.
Florence Garvin	<i>Lonsdale</i>	Lonsdale
Lillian Bertha Graves	<i>Providence</i>	223 Ives St.
Grace Margaret Hamilton	<i>Providence</i>	252 Rhodes St.
Ellen Hargren	<i>Providence</i>	24 George St.
Mary Emeline Hatten	<i>Attleborough</i>	Attleborough
Constance Hurford Iles	<i>Providence</i>	8 Cushing St.
Evangeline Larry	<i>Providence</i>	169 Congdon St.
Grace Fisher Leonard	<i>Providence</i>	156 Broad St.
Sara Imbrie Manatt	<i>Providence</i>	15 Keene St.
Emily Priscilla Smith Rogers	<i>Providence</i>	264 Bowen St.
Maud Slye	<i>St. Paul, Minn.</i>	3 Angell Place
Eliza Fiske Williams Taft	<i>Providence</i>	36 South Wales St.
Mabel Temple	<i>Providence</i>	40 Angell St.

Anna Aborn Thompson	<i>Providence</i>	204 Bowen St.
Elizabeth Richardson Waite	<i>Drownville</i>	Drownville
Gertrude Mason Whipple	<i>Pawtucket</i>	190 Broadway
Martha Jane Wilson	<i>Providence</i>	151 Ocean St

SUMMARY OF WOMEN'S COLLEGE

Seniors	34
Juniors	38
Sophomores	25
Freshmen	43
Select Course	25
Total	<hr/> 165

SUMMARY

Graduates	99	Freshmen	216
Seniors	145	Specials	58
Juniors	114	Women's College	165
Sophomores	128		<hr/>
Total			925

SUMMARY BY STATES

Rhode Island	499	Tennessee	1
Massachusetts	195	Virginia	1
New York	49	Indiana	1
Maine	35	Georgia	1
New Hampshire	31	Kansas	1
Connecticut	30	Arkansas	1
Vermont	20	Louisiana	1
Pennsylvania	15	Alabama	1
New Jersey	11	Minnesota	1
Illinois	6	Texas	1
California	4	Colorado	1
Ohio	3	Delaware	1
Maryland	2	Nova Scotia	1
Mississippi	2	Canada	1
North Carolina	2	Greece	1
Oregon	1	Persia	1
South Carolina	1	India	1
Michigan	1		<hr/>
Missouri	1	Total	925

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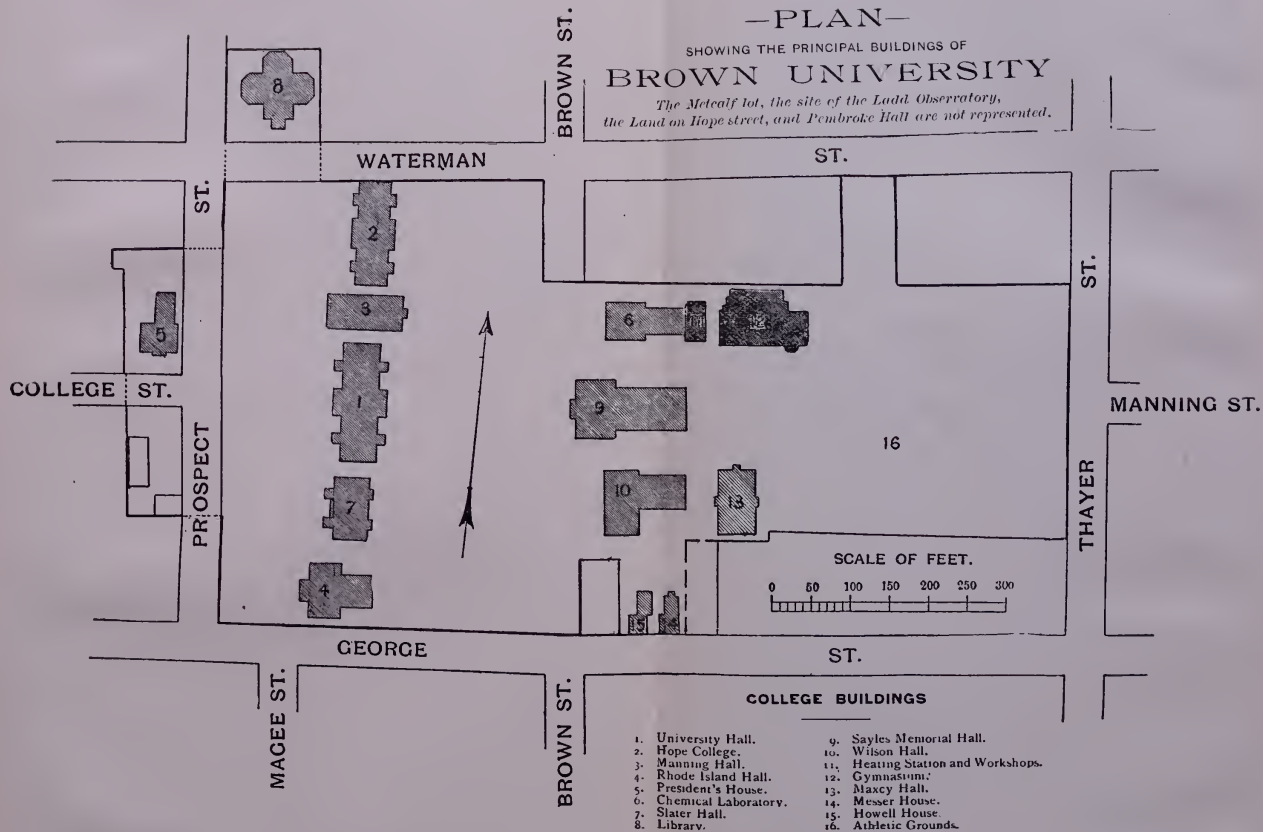
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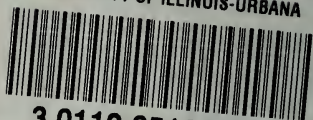
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—PLAN—
SHOWING THE PRINCIPAL BUILDINGS OF
BROWN UNIVERSITY

*The Metcalf lot, the site of the Ladd Observatory,
the Land on Hope street, and Pembroke Hall are not represented.*



UNIVERSITY OF ILLINOIS-URBANA



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